| UNCLA          | 60 606<br>SSIFIED  | JUN                                    | MARY OF   | METEO | ROLOGI | CAL OBS | ERVATI | ONS, SU  | RFACE   | (SMOS) | AGANA,  | /6 4/2<br>GETO | (U)       |
|----------------|--|--|---|-------|--------|---------|--------|--|---------|--------|---------|----------------|-----------|
| 1              | 1 of 4<br>AD<br>AO60606  | ************************************** | Miles E. S. |       |        |         |        |  |         |        |         |                |           |
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| REPORT DOCUMENTATION   | PAGE  | BEFORE                                   | DINSTRUCTIONS COMPLETING FORM                |
| 1. REPORT NUMBER   | 2. GOVT ACCESSION NO.   | 3. RECIPIENT'S                           | CATALOG NUMBER                               |
| Summary of Meteorological Observa<br>(SMOS) Agana, Guam  | tions, Surface  | Reference                                | report 1945-1977                             |
| ,  |   | 6. PERFORMING                            | ORG. REPORT NUMBER                           |
| Naval Weather Service Detachment Asheville, N. C. 28801  |   | 8. CONTRACT C                            | R GRANT NUMBER()                             |
| 9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Weather Service Detachment Federal Building Asheville, N. C. 28801   |   |  | LEMENT, PROJECT, TASK                        |
| Director, Naval Oceanography and<br>National Space Technology Laborat  |   | June 197                                 | 8  |
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| Climatology, surface wind, temper relative humidity, station pressu daily temperature, weather condit facility, coastal region, snow de                              | ature, precipita<br>re, extreme tempions, monthly cl                        | tion, ceili<br>eratures, s<br>imatology, | ea level pressure,<br>Naval shore            |
| This data report consists of a si weather observations. The six pa atmospheric Phenomena, Part B - P Surface Winds, Part D - Ceiling Psychrometric Summaries, Part F | x part statistic<br>rts are: Part A<br>recipitation/Sno<br>versus Visibilit | - Weather wfall/Snow y/Sky Cover         | Conditions/<br>Depth, Part C -<br>, Part E - |

| 41406 | ARY  | STAIIDN NAME. Agana, Guam                                  |               | 13°3              | 13°30'N    | 144°48'E | 269   | PGUM   | OWW   | NUMBER<br>91212 |
|-------|--|--|---------------|-------------------|------------|----------|---|--|---|-----------------|
|       |  | STATION LOCATION AND INSTRUMENTATION                       | Z             | N ON              | STRU       | MENTA    | H NOIL  | HISTORY  |   | Sac             |
|       |  | GEOGRAPHICAL LOCATION & NAME                               | 0 P           | AT THIS LOCATION  |            | LATITUDE | LONGITUDE   | ELEVATION ABOVE MSL                                      | BOVE MSL  | PER             |
| 3     | eathe                                      | In Weather Central spaces                                  | FWC           | Installed         | 1958       | 13°30'N  | 144°48°F  | 244  | Fortin  | 24              |
| Wear  | ther                                       | *Weather service office, first deck                        |               | 1958              | 1961       | =        | =   | 254.7  | =   | 24              |
| Ops   | Ops Building                               |  |               |                   |            |          |   | *  |   |                 |
| lew l | baron<br>ner s                             | New barometer installed north wall, weather service spaces | NAS           | 1961              | 1966       | =        | =   | 254.7  | :   | 24              |
| owe   | red f                                      | Lowered from previous position                             | NAS           | 1966              |            | :        | =   | 253.8  | :   | 24              |
| MO    | 14B  | GMQ 14B console  | NAS           | 1962              |            | Ξ        | =   | 257  | Aneroid   | 24              |
| DATE  | m  | SURFACE WIND EQUIPMENT INFORMATION                         | JIPMENT INFOR | MATION<br>TYPE OF | TYPE OF    | HT ASOVE | REMARKS, ADDIT  | IONAL EQUIPMENT,   | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE           | OE              |
| CHA   | CHANGE                                     | LOCATION   |               | TRANSMITTER       | RECORDER   | GROUND   |   |  |   |                 |
| nst   | Installed                                  | On 18 foot mast atop platform located on terminal building | g roof        | 3 cup             | unknown    | 63,      | 1. Barograph 2. Semi-aute   | Barograph (Aero, 1932 USN)<br>Semi-auto Met station (AN/ | Barograph (Aero, 1932 USN) Semi-auto Met station (AN/GMQ-14B) | 3NQ-14B)        |
| 1959  |  | Between runway 6L and 6R and approximately in the center   | p             | AN/UMQ-5          | 5 RD-108   |          |   | Guam wa  | s activate  | uo pa           |
| 1976  |  | Between runway 6L and 6R and approximately in the center   | <b>"</b> g    | AN/UMQ-5          | 5   RD-108 | 26,      | 1 April 1958.  ** Surveyed by Public Works surveyor 2 Dec 1959 and found to be accurate | 958.<br>by Publi   | c Works sund to be  | irveyor         |
|       |  |  |               |                   |            |          | *** Raised a  | an additional<br>for better ex                           | onal 12 feet<br>er exposure.                                  | feet to         |
| Fe,   | NWSD, Federal Building<br>Asheville, N. C. | uilding  |               |                   | 00         | 0        | 200   | 001  | 2000  |                 |

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET 1tr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

- Ten years of data will be used as the standard period of record (POR).
- 2. All available data will be used for extreme values.
- Summarize (update) every five years.
- 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. will be included for extreme values.
- The update in 1983 will include the POR 1973 through 1982, with all available data through 1982
- The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
- In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS pre-pared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station. DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day obser-Nations (prepared from record-special, local, summary of the day, remarks, etc.).

or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".O". (This value indicates a percent less than ".O5," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect occurrence of an occasional spurious value should not in itself be considered significant. Every effort COMMENT: All observations summarized in this tabulation have been computer edited for consistency and is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWSD), Asheville, N. C. welcomes your comment and criticisms.

NWSD, Federal Building Asheville, N. C.

### PART A

### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- 1. By month and annual, all hours and years combined.
- . By month and annual, all hours and years combined, by wind direction.
- . By month, all years combined, by standard 3-hour groups.

Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

ail Occurrences of hall and small hail are included.

more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns. Percentage of observations with precipitation - Included in this category are the observations when one

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage reflect the total observations with reduced visibility.

Percentages The total number of observations may vary among tables within the same month and period. may not always equal 100.0 due to rounding practices. NOTE:

### ARTA

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation

may occur in the same daily observation, the sum of the values in the individual columns may not equal the centage of observations. Since more than one type of precipitation or more than one type of obstruction The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than per-However, it should be noted that in this summary the columns headed summarized in these tabulations. total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later. NOTE:

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

|                                    |     |     |      |     |      |     |     |     | <br> |  |        |
|------------------------------------|-----|-----|------|-----|------|-----|-----|-----|------|--|--------|
| TOTAL<br>NO. OF<br>OBS.            | 155 | 155 | 155  | 155 | 155  | 155 | 155 | 155 |      |  | 1240   |
| % OF OBS<br>WITH OBST<br>TO VISION | 1   |     |      |     | ç.   | 9.  |     |     |      |  | .2     |
| DUST<br>AND/OR<br>SAND             |     |     |      |     |      |     |     |     |      |  |        |
| BLOWING                            |     |     |      |     |      |     |     |     |      |  |        |
| SMOKE<br>AND/OR<br>HAZE            |     |     |      |     |      |     |     |     |      |  |        |
| F0G                                |     |     |      |     | 4.   |     |     |     |      |  | .2     |
| % OF<br>OBS WITH<br>PRECIP.        | 5.8 | 7.7 | 10,3 | 6.5 | 10,3 | 3.9 | 4.5 | 3.9 |      |  | 6.9    |
| HAIL                               |     |     |      |     |      |     |     |     |      |  |        |
| SNOW<br>AND/OR<br>SLEET            |     |     |      |     |      |     |     |     |      |  |        |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |     |      |     |      |     |     |     |      |  |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 5.8 | 7.7 | 10.3 | 6.5 | 10.3 | .0  | 6.5 | 3.9 |      |  | 6.6    |
| THUNDER-<br>STORMS                 | 9.  |     |      |     |      |     |     |     |      |  | .1     |
| HOURS<br>(L.S.T.)                  | 10  | 40  | 0.0  | 10  | 13   | 16  | 19  | 22  |      |  |        |
| MONTH                              | NAC |     |      |     |      |     |     |     |      |  | TOTALS |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DBSERVATIONS STATION NAME

|                                    |     |     |     |     |     |     |     |     | <br> | , | <br>   |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|------|---|--------|
| TOTAL<br>NO. OF<br>OBS.            | 141 | 141 | 1+1 | 1+1 | 141 | 141 | 141 | 141 |      |   | 1128   |
| % OF OBS<br>WITH OBST<br>TO VISION |     |     |     |     |     |     |     |     |      |   |        |
| DUST<br>AND/OR<br>SAND             |     |     |     |     |     |     |     |     |      |   |        |
| BLOWING                            |     |     |     |     |     |     |     |     |      |   |        |
| SMOKE<br>AND/OR<br>HAZE            |     |     |     |     |     |     |     |     |      |   |        |
| FOG                                |     |     |     |     |     |     |     |     |      |   |        |
| % OF<br>OBS WITH<br>PRECIP.        | 4.0 | 7.8 | 5.0 | 4.3 | 3.5 | 7.1 | 5.7 | 2,1 |      |   | 5,2    |
| HAIL                               |     |     |     |     |     |     |     |     |      |   |        |
| SNOW<br>AND/OR<br>SLEET            |     |     |     |     |     |     |     |     |      |   |        |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |     |     |     |     |     |     |     |      |   |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 4.9 | 7.8 | 8.0 | 4.3 | 6   | 7.1 | 5.7 | 2.1 |      |   | 5.5    |
| THUNDER-<br>STORMS                 |     |     |     |     |     |     | .7  |     |      |   |        |
| HOURS<br>(L.S.T.)                  | 10  | 40  | 07  | 10  | 13  | 16  | 19  | 22  |      |   |        |
| MONTH                              | FEB |     |     |     |     |     |     |     |      |   | TOTALS |

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WEATHER CONDITIONS

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| YEARS        | TIONS   |
|--------------|---|
|              | DE OCCURRENCE HOURLY OBSERVA  |
| STATION NAME | PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS |
|              |   |

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | 500 | SMOKE<br>AND/OR<br>HAZE | BLOWING | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|---------|------------------------|------------------------------------|-------------------------|
| MAR    | 10                |                    | 5.2                       |                                  |                         |      | 5.2                         |     |                         |         |                        |                                    | 155                     |
|        | 40                |                    | 5.8                       |                                  |                         |      | 5.8                         |     |                         |         |                        |                                    | 155                     |
|        | 07                |                    | 0.6                       |                                  |                         |      | 0.6                         |     |                         |         |                        |                                    | 155                     |
|        | 10                |                    | 2.6                       |                                  |                         |      | 2.6                         |     |                         |         |                        |                                    | 155                     |
|        | 13                |                    | 6.5                       |                                  |                         |      | 6.5                         |     |                         |         |                        |                                    | 155                     |
|        | 16                |                    | 3.2                       |                                  |                         |      | 3.2                         |     |                         |         |                        |                                    | 155                     |
|        | 19                |                    | 4.5                       |                                  |                         |      | 4.5                         |     |                         |         |                        | 12                                 | 155                     |
|        | 22                |                    | 2.6                       |                                  |                         |      | 2.6                         |     |                         |         |                        |                                    | 155                     |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |         |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |         |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |         |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |         |                        |                                    |                         |
| TOTALS |                   |                    | 6.4                       |                                  |                         |      | 0. 1                        |     |                         |         |                        |                                    | 1240                    |

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STATION NAME

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

|                                    |     |     |     |     |     |     |     |     |   | , | <br> |        |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|---|---|------|--------|
| TOTAL<br>NO. OF<br>OBS.            | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |   |   |      | 1200   |
| % OF OBS<br>WITH OBST<br>TO VISION |     |     |     |     |     |     |     |     |   |   |      |        |
| DUST<br>AND/OR<br>SAND             |     |     |     |     |     |     |     |     |   |   |      |        |
| BLOWING                            |     |     |     |     |     |     |     |     | , |   |      |        |
| SMOKE<br>AND/OR<br>HAZE            |     |     |     |     |     |     |     |     |   |   |      |        |
| FOG                                |     |     |     |     |     |     |     |     |   |   |      |        |
| % OF<br>OBS WITH<br>PRECIP.        | 6.7 | 7.0 | 8.0 | 3,3 | 0.4 | 4.7 | 3,3 | 3,3 |   |   |      | 0.0    |
| HAIL                               |     |     |     |     |     |     |     |     |   |   |      |        |
| SNOW<br>AND/OR<br>SLEET            |     |     |     |     |     |     |     |     |   |   |      |        |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |     |     |     | ,   |     |     |     |   |   |      |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 6.7 | 6.7 | 8.0 | w.  | 0.4 | 4.7 | 3.3 | 6.  |   |   |      | 5.0    |
| THUNDER-<br>STORMS                 |     |     |     |     |     |     |     |     |   |   |      |        |
| HOURS<br>(L.S.T.)                  | 0.1 | 40  | 07  | 10  | 13  | 16  | 19  | 22  |   |   |      |        |
| МОМТН                              | APR |     |     |     |     |     |     |     |   |   |      | TOTALS |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| TOTAL<br>NO. OF<br>OBS.            | 155 | 155 | 155 | 155 | 155 | 155 | 155 | 155 |  |   | 1240   |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|---|--------|
| % OF OBS<br>WITH OBST<br>TO VISION | 9.  |     |     |     |     |     |     |     |  |   |        |
| DUST<br>AND/OR<br>SAND             |     |     |     |     |     |     |     |     |  |   |        |
| BLOWING                            |     |     |     |     |     |     |     |     |  |   |        |
| SMOKE<br>AND/OR<br>HAZE            | •   |     |     |     |     |     |     |     |  | 9 | 7.     |
| FOG                                |     |     |     |     |     |     |     |     |  |   |        |
| % OF<br>OBS WITH<br>PRECIP.        | 7.1 | 7.1 | 5.2 | 5.2 | 5.5 | 5.2 | 5.2 | 7.7 |  |   | 0.0    |
| HAIL                               |     |     |     |     |     |     |     |     |  |   |        |
| SNOW<br>AND/OR<br>SLEET            |     |     |     |     |     |     |     |     |  |   |        |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |     |     |     |     |     |     |     |  |   |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 7.1 | 7.1 | 5.2 | E.  | 5.2 | 5.2 | 5.5 | 7.7 |  |   | 6.0    |
| THUNDER-<br>STORMS                 |     |     |     |     | 9.  | 4.  |     | •   |  |   | •      |
| HOURS<br>(L.S.T.)                  | 10  | 40  | 07  | 10  | 13  | 16  | 19  | 22  |  |   |        |
| МОМТН                              | MAY |     |     |     |     |     |     |     |  |   | TOTALS |

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| S. OF                              | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |  |  | 1200   |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|--------|
| TOTAL<br>NO. OF<br>OBS.            | -   | -   | -   | -   | -   | -   | -   | -   |  |  | 12     |
| % OF OBS<br>WITH OBST<br>TO VISION |     |     |     |     |     |     |     |     |  |  |        |
| AND/OR<br>SAND                     |     |     |     |     |     |     |     |     |  |  |        |
| BLOWING                            |     |     |     |     |     |     |     |     |  |  |        |
| SMOKE<br>AND/OR<br>HAZE            |     |     |     |     |     |     |     |     |  |  |        |
| 50                                 |     |     |     |     |     |     |     |     |  |  |        |
| % OF<br>OBS WITH<br>PRECIP.        | 5.3 | 9.3 | 3.3 | 2.7 | 8.3 | 4.0 | 2.7 | 5.3 |  |  | 7 2    |
| HAIL                               |     |     |     |     |     |     |     |     |  |  |        |
| SNOW<br>AND/OR<br>SLEET            |     |     |     |     |     |     |     |     |  |  |        |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |     |     |     |     |     |     |     |  |  |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 8.3 | 9.3 | 3.3 | 2.7 | 8.3 | 4.0 | 2.7 | 5.3 |  |  | 4.7    |
| THUNDER-<br>STORMS                 |     |     |     |     |     | .,  |     |     |  |  |        |
| HOURS<br>(L.S.T.)                  | 10  | 40  | 10  | 10  | 13  | 16  | 19  | 22  |  |  |        |
| МОМТН                              | NO  |     |     |     |     |     |     |     |  |  | TOTALS |

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AGANA, GUAM 41406 STATION

1566- 3005 1191

STATION NAME

73-77

JUL

PERCENTAGE PREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH  | HOURS<br>(L.S.T.) | THUNDER-<br>STORMS | RAIN<br>AND/OR<br>DRIZZLE | FREEZING<br>RAIN &/OR<br>DRIZZLE | SNOW<br>AND/OR<br>SLEET | HAIL | % OF<br>OBS WITH<br>PRECIP. | FOG | SMOKE<br>AND/OR<br>HAZE | BLOWING | DUST<br>AND/OR<br>SAND | % OF OBS<br>WITH OBST<br>TO VISION | TOTAL<br>NO. OF<br>OBS. |
|--------|-------------------|--------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|---------|------------------------|------------------------------------|-------------------------|
| JUL    | 10                |                    | 0.6                       |                                  |                         |      | 0.6                         |     |                         |         |                        |                                    | 155                     |
|        | *0                |                    | 7.1                       |                                  |                         |      | 7,1                         |     |                         |         |                        |                                    | 155                     |
|        | 07                |                    | 5.2                       |                                  |                         |      | 5.2                         |     |                         |         |                        |                                    | 155                     |
|        | 10                | 9.                 | 7.7                       |                                  |                         |      | 7.7                         |     |                         |         |                        |                                    | 155                     |
|        | 13                | 9.                 | 4.5                       |                                  |                         |      | 4.5                         |     |                         |         |                        |                                    | 155                     |
|        | 16                | 2.6                | 7.7                       |                                  |                         |      | 7.7                         |     |                         |         |                        |                                    | 155                     |
|        | 19                |                    | 7.1                       |                                  |                         |      | 7.1                         |     |                         |         |                        |                                    | 155                     |
|        | 22                | 9.                 | 3.9                       |                                  |                         |      | 9.6                         |     | ••                      |         |                        | 9.                                 | 155                     |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |         |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |         |                        |                                    |                         |
|        |                   |                    |                           |                                  |                         |      |                             |     |                         |         |                        |                                    |                         |
| TOTALS |                   | •6                 | 6.5                       |                                  |                         |      | 6.5                         |     | .1                      |         |                        | .1                                 | 1240                    |

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41406 AGANA, GUAM STATION NAME

73-77

YEAR

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| TOTAL<br>NO. OF<br>OBS.            | 155 | 155  | 155  | 155  | 155  | 155 | 155  | 155  |  |  | 1240   |
|------------------------------------|-----|------|------|------|------|-----|------|------|--|--|--------|
| % OF OBS<br>WITH OBST<br>TO VISION | 9.  | 9.   |      |      |      |     |      |      |  |  | .2     |
| DUST<br>AND/OR<br>SAND             |     |      |      |      |      |     |      |      |  |  |        |
| BLOWING                            |     |      |      |      |      |     |      |      |  |  |        |
| SMOKE<br>AND/OR<br>HAZE            | 9.  | •    |      |      |      |     |      |      |  |  | .2     |
| 506                                |     |      |      |      |      |     |      |      |  |  |        |
| % OF<br>OBS WITH<br>PRECIP.        | 0.6 | 13.5 | 12,3 | 13,5 | 17.4 | 9.7 | 14.2 | 11.6 |  |  | 12,7   |
| HAIL                               |     |      |      |      |      |     |      |      |  |  |        |
| SNOW<br>AND/OR<br>SLEET            |     |      |      |      |      |     |      |      |  |  |        |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |      |      |      |      |     |      |      |  |  |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 0.6 | 13.5 | 12.3 | 13.5 | 17.4 | 7.6 | 14.2 | 11.6 |  |  | 12.7   |
| THUNDER-<br>STORMS                 | 9.  | •    |      | •    | 1.9  |     | 2.6  | 9.   |  |  | 0.     |
| HOURS<br>(L.S.T.)                  | 10  | 40   | 07   | 10   | 13   | 16  | 19   | 22   |  |  |        |
| MONTH                              | AUG |      |      |      |      |     |      |      |  |  | TOTALS |

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### WEATHER CONDITIONS

| 73-7  |              |
|-------|--------------|
| GUAM  | STATION NAME |
| AGANA |              |

41406 STATION

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PERCENTAGE FREQUENCY DE DCCURRENCE DE WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| TOTAL<br>NO. OF<br>OBS.            | 149 | 149  | 149  | 149 | 149 | 149  | 149  | 149 |  |  | 1192  |
|------------------------------------|-----|------|------|-----|-----|------|------|-----|--|--|-------|
| % OF OBS<br>WITH OBST<br>TO VISION |     |      |      | .7  |     |      |      |     |  |  | ••    |
| DUST<br>AND/OR<br>SAND             |     |      |      |     | ·   |      |      |     |  |  |       |
| BLOWING                            |     |      |      |     |     | *    |      |     |  |  |       |
| SMOKE<br>AND/OR<br>HAZE            |     |      |      |     |     |      |      |     |  |  | •1    |
| FOG                                |     |      |      |     |     |      |      |     |  |  |       |
| % OF<br>OBS WITH<br>PRECIP.        | 8,1 | 12.8 | 10.7 | 8.7 |     | 12.8 | 10.1 | 4.  |  |  | 9.6   |
| HAIL                               |     |      |      |     |     |      |      |     |  |  |       |
| SNOW<br>AND/OR<br>SLEET            |     |      |      |     |     |      |      |     |  |  |       |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |      |      |     |     |      |      |     |  |  |       |
| RAIN<br>AND/OR<br>DRIZZLE          | 8.1 | 12.8 | 10.7 | 8.7 | 8.1 | 12.8 | 10.1 | 5.4 |  |  | 9.6   |
| THUNDER-<br>STORMS                 | 1,3 | .,   | 1.3  | .7  | 1.3 |      |      | .7  |  |  | 8.    |
| HOURS<br>(L.S.T.)                  | 10  | 40   | 07   | 10  | 13  | 16   | 19   | 22  |  |  |       |
| HINO                               | EP  |      |      |     |     |      |      |     |  |  | )TALS |

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### WEATHER CONDITIONS

|             | YEARS        | EATHER  |
|-------------|--------------|---|
|             |              | NOIT  |
| 73-77       |              | PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS |
|             |              | 59  |
|             |              | FREQUENCY<br>TONS FROM  |
| JAM         | STATION NAME | PERCENTAGE<br>CONDIT  |
| 3           |              |   |
| AGANA, GUAM |              |   |

|                                    |     |      |     |     |     |      |     |      | <br> | <br> |        |
|------------------------------------|-----|------|-----|-----|-----|------|-----|------|------|------|--------|
| TOTAL<br>NO. OF<br>OBS.            | 155 | 155  | 155 | 155 | 155 | 155  | 155 | 155  |      |      | 1240   |
| % OF OBS<br>WITH OBST<br>TO VISION |     |      |     |     |     |      |     |      |      |      |        |
| DUST<br>AND/OR<br>SAND             |     |      |     |     |     |      |     |      |      |      |        |
| BLOWING                            |     |      |     |     |     |      |     |      |      |      |        |
| SMOKE<br>AND/OR<br>HAZE            |     |      |     |     |     |      |     |      |      |      |        |
| FOG                                |     |      |     |     |     |      |     |      |      |      |        |
| % OF<br>OBS WITH<br>PRECIP.        | 4.4 | 12,3 | 6.5 | 0.6 | 5.2 | 11.0 | 4.1 | 11.6 |      |      | 4.6    |
| HAIL                               |     |      |     |     |     |      |     |      |      |      |        |
| SNOW<br>AND/OR<br>SLEET            |     |      |     |     |     |      |     |      |      |      |        |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |      |     |     |     |      |     |      |      |      |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 7.6 | 12.3 | 6.3 | 0.0 | 5.2 | 11.0 | 9.7 | 11.6 |      |      | 9 6    |
| THUNDER-<br>STORMS                 |     | 9.   | •   |     | 9.  | 9.   |     |      |      |      | .3     |
| HOURS<br>(L.S.T.)                  | 10  | 90   | 07  | 10  | 13  | 16   | 19  | 22   |      |      |        |
| MONTH                              | DCT |      |     |     |     |      |     |      |      |      | TOTALS |

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41406 STATION

73-77 AGANA, GUAM

1266-605 1191

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH                              | NOV |     |     |     |     |     |     |     |  | TOTALS |      |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|--------|------|
| HOURS<br>(LS.T.)                   | 10  | *0  | 07  | 10  | 13  | 16  | 19  | 22  |  |        |      |
| THUNDER-<br>STORMS                 |     | .,  | .7  |     |     |     |     |     |  |        | • 2  |
| RAIN<br>AND/OR<br>DRIZZLE          | 8.0 | 6.6 | 8.0 | 4.0 | 3.3 | 0.0 | 0.0 | 6.7 |  |        | 0.0  |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |     |     |     |     |     |     |     |     |  |        |      |
| SNOW<br>AND/OR<br>SLEET            |     |     |     |     | 8   |     |     |     |  |        |      |
| HAIL                               |     |     |     |     |     |     |     |     |  |        |      |
| % OF<br>OBS WITH<br>PRECIP.        | 0 & | 6.6 | 0.8 | 0.  | 3,3 | 0.0 | 8.0 | 6.7 |  |        |      |
| 500                                |     |     |     |     |     |     |     |     |  |        |      |
| SMOKE<br>AND/OR<br>HAZE            |     |     |     | .,  |     |     |     |     |  |        |      |
| BLOWING                            |     |     |     |     |     |     |     |     |  |        |      |
| AND/OR<br>SAND                     |     |     |     |     |     |     |     |     |  |        |      |
| % OF OBS<br>WITH OBST<br>TO VISION |     |     |     | ۲.  | .,  |     |     |     |  | •      | 7.   |
| TOTAL<br>NO. OF<br>OBS.            | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |  | 1      | 1200 |
|                                    | 1   |     |     |     |     |     |     |     |  |        |      |

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DEC

### CONDITIONS WEATHER

|         | YEARS        |
|---------|--------------|
| 73-76   |              |
|         | STATION NAME |
| . GUAM  | STAI         |
| 41406 A | '            |

12658 - 3005 115H

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| % OF OBS<br>WITH OBST<br>TO VISION |         |     |    |     | 0 |
|------------------------------------|---------|-----|----|-----|---|
| DUST<br>AND/OR<br>SAND             |         |     |    |     |   |
| BLOWING                            |         |     |    |     |   |
| SMOKE<br>AND/OR<br>HAZE            |         |     |    |     | • |
| 503                                |         |     |    |     |   |
| % OF<br>OBS WITH<br>PRECIP.        | 0.0     | 6.5 | 4  | 1.0 | 4 |
| HAIL                               |         |     |    |     |   |
| SNOW<br>AND/OR<br>SLEET            |         |     |    |     |   |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |         |     |    |     |   |
| RAIN<br>AND/OR<br>DRIZZLE          | κυ<br>• | 6.5 | 4  | 1.6 |   |
| THUNDER-<br>STORMS                 |         |     |    |     |   |
| HOURS<br>(L.S.T.)                  | 10      | *0  | 01 | 10  | : |
| ONTH                               | DEC     |     |    |     |   |

| TOTAL<br>NO. OF<br>OBS.            | 124 | 124 | 124 | 124 | 124 | 124 | 124 | 124 |  | 366    |
|------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--|--------|
| % OF OBS<br>WITH OBST<br>TO VISION |     |     |     |     | 80  |     |     |     |  | -:     |
| DUST<br>AND/OR<br>SAND             |     |     |     |     |     |     |     |     |  |        |
| BLOWING                            |     |     |     |     |     |     |     |     |  |        |
| SMOKE<br>AND/OR<br>HAZE            |     |     |     |     | •   |     |     |     |  | 7.     |
| FOG                                |     |     |     |     |     |     |     |     |  |        |
| % OF<br>OBS WITH<br>PRECIP.        | 5.0 | 6.9 | 4   | 1.6 | 9.6 | *   | 8.4 | 8.1 |  | 5.2    |
| HAIL                               |     |     |     |     |     |     |     |     |  |        |
| SNOW<br>AND/OR<br>SLEET            |     |     |     |     |     |     |     |     |  |        |
| FREEZING<br>RAIN & OR<br>DRIZZLE   |     |     |     |     |     |     |     |     |  |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 6.6 | 6.5 | 4   | 1.6 | 5.6 | 8.4 | 4.8 | 8   |  | 5.2    |
| THUNDER-<br>STORMS                 |     |     |     |     |     |     |     |     |  |        |
| HOURS<br>(L.S.T.)                  | 10  | *0  | 00  | 10  | 13  | 16  | 19  | 22  |  |        |
| MONTH                              | DEC |     |     |     |     |     | 14  |     |  | TOTALS |

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AGANA, GUAM 41406 STATION

STATION NAME

73-77

ALL

PERCENTAGE FREQUENCY DF DCCURRENCE OF WEATHER CONDITIONS FROM HOURLY DBSERVATIONS

| TOTAL<br>NO. OF<br>OBS.            | 1240 | 1128 | 1240 | 1200 | 1240 | 1200 | 1240 | 1240 | 1192 | 1240 | 1200 | 992 | 14352  |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|--------|
| % OF OBS<br>WITH OBST<br>TO VISION | .2   |      |      |      | •    |      | 7    | 2.   | 7    |      | 2.   | -   |        |
| DUST<br>AND/OR<br>SAND             |      |      |      |      |      |      |      |      |      | ``   |      |     |        |
| BLOWING                            |      |      |      |      |      |      |      |      |      |      |      |     |        |
| SMOKE<br>AND/OR<br>HAZE            |      |      |      |      | -:   |      | .1   | •2   |      |      | .2   | .1  | .1     |
| 500                                | .2   |      |      |      |      |      |      |      |      |      |      |     | 0.     |
| % OF<br>OBS WITH<br>PRECIP.        | 6.6  | 5.2  | 4.0  | 5.0  | 0.0  | 4.7  | 6.9  | 12.7 | 9.6  | 4.6  | 6.9  | 5.2 | 6.9    |
| HAIL                               |      |      |      |      |      |      |      |      |      |      |      |     |        |
| SNOW<br>AND/OR<br>SLEET            |      |      |      |      |      |      |      |      |      |      |      |     |        |
| FREEZING<br>RAIN & OR<br>DRIZZLE   |      |      |      |      |      |      |      |      |      |      |      |     |        |
| RAIN<br>AND/OR<br>DRIZZLE          | 9.6  | 5.2  | 4    | 5.0  | 6.0  | 4.7  | 8.0  | 12.7 | 9.6  | 4.6  | 6.9  | 5.2 | 6.9    |
| THUNDER-<br>STORMS                 | -1   | .2   |      |      | • 2  |      | •    | 6.   | œ.   | •    | • 2  |     |        |
| HOURS<br>(L.S.T.)                  | ALL  |      |      |      |      |      |      |      |      |      |      |     |        |
| MONTH                              | NAD  | F 68 | MAR  | APR  | MAY  | NOS  | JUL  | AUG  | SEP  | 100  | NO.  | DEC | TOTALS |

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### WEATHER CONDITIONS ATMOSPHENIC PHENDMENA

41406 AGANA, GUAM STATION NAME

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PERCENTAGE OF

49-77

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ALL

DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

| TOTAL<br>NO. OF<br>OBS.            | 899   | 819   | 899  | 870          | 668  | 870  | 899  | 668  | 808  | 668  | 869  | 668  | 10589  |
|------------------------------------|-------|-------|------|--------------|------|------|------|------|------|------|------|------|--------|
| % OF OBS<br>WITH OBST<br>TO VISION | •2    | •     | •    | 9.           | 1.2  | 9.   | •2   | 4.   | .2   | • 2  | 1.   | •    | 4.     |
| DUST<br>AND/OR<br>SAND             |       |       |      |              |      |      |      |      |      |      |      |      |        |
| BLOWING                            |       |       |      |              |      |      |      |      |      |      |      |      |        |
| SMOKE<br>AND/OR<br>HAZE            |       | ~     | -    |              | 6.   | •    | •2   | *    | ~    |      | -    | •    | .3     |
| 70G                                | .2    | *     |      | 2.           |      |      |      |      |      |      |      |      | . 1    |
| % OF<br>OBS WITH<br>PRECIP.        | 75.6  | 73.4  | 72.4 | 76.6         | 74.5 | 81.0 | 80   | 84.6 | 87.6 | 67.7 | 86.8 | 80.8 | 80.8   |
| HAIL                               |       |       |      |              |      |      |      |      |      |      |      |      |        |
| SNOW<br>AND/OR<br>SLEET            |       |       |      |              |      |      |      |      |      | M    |      |      |        |
| FREEZING<br>RAIN &/OR<br>DRIZZLE   |       |       |      |              |      |      |      |      |      |      |      |      |        |
| RAIN<br>AND/OR I                   | 75.6  | 73.4  | 72.4 | 76.6         | 74.5 | 81.0 | 88   | 64.6 | 87.6 | 87.7 | 86.8 | 80.8 | 80.8   |
| THUNDER-<br>STORMS                 |       | 4.    | • 2  | <b>6</b> °). | 1.2  | 2.4  | 11.6 | 16.3 | 15.6 | 6.6  | 4.1  | 1.4  | 5.2    |
| HOURS<br>(L.S.T.)                  | DAILY |       |      |              |      |      |      |      |      |      |      |      |        |
| MONTH                              | NAC   | F. 89 | MAR  | APR          | MAY  | NOO  | JUL  | AUG  | SEP  | DCT  | VON  | DEC  | TOTALS |

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### 5708 % FREQ. WIND DIR.

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

AGANAS GUAM

41406 STATION

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JAN 1973-DEC 1977

JANUARY

ALL

| <b>x</b>                                | -   |     | 7.   | 4.  | œ   | •   | 0.  | .3   | 0   | m.   | 1  | 0     | 0   | •   | •    | 0   |
|---|-----|-----|------|-----|-----|-----|-----|------|-----|------|----|-------|-----|-----|------|-----|
| NO                                      | 85  | 88  | 93.2 | *6  | 76  | 06  | 06  | 83   | 100 | 33,3 |    | 100.0 | 100 | 100 | 100. | 100 |
| BLOWING<br>SAND<br>AND<br>DUST          |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| BLOWING                                 |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| SMOKE                                   |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| ICE FOG<br>GROUND<br>FOG                |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| 509                                     |     | 1.8 |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| THUNDER                                 |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| HAIL<br>SMALL<br>HAIL                   |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| SNOW<br>GRAINS<br>"PELLETS<br>"SHOWERS  |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| SLEET " SHOWERS ICE CRYSTALS            |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE |     |     |      |     |     |     |     |      |     |      |    |       |     |     |      |     |
| DRIZZLE                                 |     |     |      |     |     |     |     |      |     | 4    |    |       |     |     |      |     |
| RAIN                                    | 5.7 |     |      | 4.4 | 3.8 |     | 9.1 | 16.7 |     | 66.7 |    |       |     |     |      |     |
| NIA                                     | 8.6 | 2.8 | 00   | 1.0 | 0.1 |     |     |      |     |      |    |       |     |     |      |     |
| WIND                                    | z   | NNE | NE   | ENE | B   | ESE | SE  | SSE  | S   | SSW  | SW | WSW   | *   | *×× | WN   | NNN |

TOTAL NUMBER OF OBSERVATIONS

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3.2

1.9

% TOTAL

TOTAL

VARIABLE

CALM

1,240

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NAVWEASERVCOM

### PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

Ann

TOTAL NUMBER OF OBSERVATIONS

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## PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

|      | 100       | STATION   | ON NAME                                 |                            |                                      | 240                   | UAN 1913-DEC LVI | EARS      |                          | 1     | HINON   |                                | HOURS (L.S.T.) |
|------|-----------|-----------|---|----------------------------|--------------------------------------|-----------------------|------------------|-----------|--------------------------|-------|---------|--------------------------------|----------------|
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                |                |
| NAN  | RAIN      | DRIZZLE   | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE | SLEET SHOWERS ICE CRYSTALS | SNOW<br>GRAINS<br>PELLETS<br>SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER          | F0G       | ICE FOG<br>GROUND<br>FOG | SMOKE | BLOWING | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER  |
|      | 4.8       | 2.6       |   |                            |                                      |                       |                  |           |                          |       |         |                                | 92.9           |
|      | 6 2.3     |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 97.1           |
| 1.0  |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 95.5           |
| 7.4  |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 95.2           |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 0.46           |
|      | 80        |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 91.7           |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 100.0          |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 100.0          |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 100.0          |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 100.0          |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                |                |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 100.0          |
|      | 100.0     |           |   |                            |                                      |                       |                  |           |                          |       |         |                                |                |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                |                |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 100.0          |
| 33,3 | en.       |           |   |                            |                                      |                       |                  |           |                          |       |         |                                | 66.7           |
|      |           |           |   |                            |                                      |                       |                  |           |                          |       |         |                                |                |
| X    | $\bigvee$ | $\bigvee$ | $\bigvee$                               | $\bigvee$                  | $\bigvee$                            | $\bigvee$             | $\bigvee$        | $\bigvee$ | M                        | M     | M       | $\bigvee$                      | 0.00           |
|      | 11 49     | 7         |   |                            |                                      |                       |                  |           |                          |       |         |                                | 1179           |
| •    | 6.0       | -         |   |                            |                                      |                       |                  |           |                          |       |         |                                | 95.1           |

TOTAL NUMBER OF OBSERVATIONS

1,240

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| SAIN SHOWES DESTEE THEETING SLEEP SNOWN HAIL THUNDER FOO GROUNG G | 41406<br>STATION | AGAN      | AGANA, GUAM     |           | STATION NAME                            |           |                                      | NAC                   | JAN 1973-DEC 1977 | EARS      |                          | 1         | APRIL MONTH |                                | ALL<br>HOURS L.S.T.) |
|--|------------------|-----------|-----------------|-----------|---|-----------|--------------------------------------|-----------------------|-------------------|-----------|--------------------------|-----------|-------------|--------------------------------|----------------------|
| 25.0<br>25.0<br>25.0<br>25.0<br>25.0<br>25.0<br>25.0<br>25.0   | WIND             | Z<br>A    | RAIN<br>SHOWERS | DRIZZLE   | FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE |           | SNOW<br>GRAINS<br>FELLETS<br>SHOWERS | HAIL<br>SMALL<br>HAIL | THUNDER BR        | 506       | ICE FOG<br>GROUND<br>FOG | SMOKE     | BLOWING     | BLOWING<br>SAND<br>AND<br>DUST | NO<br>WEATHER        |
| 25.0<br>22.2<br>28.4<br>28.4<br>100.0  | z                |           | 3.3             |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 96.7                 |
| 25.0<br>22.2<br>28.6<br>100.0<br>100.0   | NNE              |           | 2.2             |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 97.8                 |
| 25.0<br>22.2<br>22.2<br>23.6<br>100.0<br>100.0   | NE               |           | 30              |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 94.2                 |
| 25.0<br>22.2<br>23.4<br>23.4<br>100.0<br>100.0   | ENE              |           | 4.1             |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 95.9                 |
| 25.0<br>22.2<br>22.2<br>23.0<br>23.0<br>100.0  | ш                |           | 6.3             |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 95.7                 |
| 25.0 20.00 20.001  | ESE              |           | 8               |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 91.3                 |
| 25.0<br>20.00<br>100.0<br>100.0<br>100.0   | SE               |           |                 |           |   |           |                                      |                       |                   |           |                          |           |             |                                |                      |
| 25.0<br>22.2<br>23.6<br>23.6<br>100.0  | SSE              |           |                 |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 100.0                |
| 22.2<br>22.2<br>28.6<br>100.0<br>100.0   | S                |           |                 |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 100.0                |
| 22.2<br>28.6<br>100.0<br>1 100.0<br>1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  | SSW              | 25.0      |                 |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 75.0                 |
| 28.6<br>100.0<br>100.0<br>7 5.9<br>7 5.9   | SW               |           | 50.0            |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 20.0                 |
| 100.0  | WSW              | 22.       | N               |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 77.8                 |
| 100.0  | *                | 23.       | .5              |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 71.4                 |
| 100.00   | WNW              |           |                 |           |   |           |                                      |                       |                   |           |                          |           |             |                                |                      |
|  | NN               | 100.      | 0               |           |   |           |                                      |                       |                   |           |                          |           |             |                                |                      |
|  | NNW              |           |                 |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 100.0                |
|  | ARIABLE          |           |                 |           |   |           |                                      |                       |                   |           |                          |           |             |                                |                      |
| 2 53   | CALM             | $\bigvee$ | <b>*</b>        | $\bigvee$ | $\bigvee$                               | $\bigvee$ | $\bigvee$                            | $\bigvee$             | $\bigvee$         | $\bigvee$ | $\bigvee$                | $\bigvee$ | $\bigvee$   | $\bigvee$                      | 0.0                  |
|  |                  |           |                 |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 1140                 |
|  | TOTAL            |           | 4               |           |   |           |                                      |                       |                   |           |                          |           |             |                                | 0.80                 |

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TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

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TOTAL NUMBER OF OBSERVATIONS

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|--------------------------|--|
| JAN 1973-DEC 1977        |  |
| AGANA, GUAM STATION NAME |  |

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

ALL HOURS (L.S.T.)

| NO                                   | 71.0 | 92.5 | 95.8 | 97.6 | 96.7 | 91.6 | 87.5 | 92.7 | 75.8 | 66.7 | 33.3 | 0.09 | 20.0 | 71.4 | 100.0 | 65.5 |         | 0.3       | 1162  | 93.8  |
|--------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|---------|-----------|-------|-------|
| SAND<br>SAND<br>AND<br>DUST          |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         | X         |       |       |
| BLOWING                              |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         | X         |       |       |
| SMOKE                                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         |           |       |       |
| GROUND<br>FOG                        |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         | $\bigvee$ |       |       |
| 909                                  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         | $\bigvee$ |       |       |
| THUNDER                              |      |      |      |      |      |      | 2.1  | 2.4  |      |      |      |      |      |      |       |      |         | $\bigvee$ | •     | .2    |
| HAIL<br>SMALL<br>HAIL                |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         | X         |       |       |
| SNOW<br>GRAINS<br>PELLETS<br>SHOWERS |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         | X         |       |       |
| SLEET SHOWERS ICE                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         | $\bigvee$ |       |       |
| FREEZING<br>RAIN<br>FREEZING         |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |         | $\bigvee$ |       |       |
| DRIZZLE                              |      |      |      |      |      |      | 2.1  |      |      |      |      |      |      |      |       |      |         | $\bigvee$ | -     |       |
| RAIN                                 | 3.2  |      |      | 2.1  | 3.0  |      | 3    |      | 12.1 | 80   | 33.3 |      | 40.0 | 28.6 |       |      |         | X         | 99    | 3.6   |
| RAIN                                 | 25.8 | 2.5  |      |      |      | 1.2  | 4.2  | 2.4  | 12.1 | 25.0 | 33,3 | 0.04 | 40.0 |      |       | 37.5 |         | X         | 39    | 2.3   |
| WIND                                 | z    | NNE  | N.   | ENE  | ш    | ESE  | SE   | SSE  | S    | SSW  | SW   | WSW  | *    | WNW  | WN    | MNN  | ARIABLE | CALM      | 10101 | TOTAL |

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TOTAL NUMBER OF OBSERVATIONS

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91.6 93.9 93.9 100.0 100.0 100.0 100.0 100.0 100.0 96.9 1143 \* NO BLOWING SAND AND DUST BLOWING SNOW SMOKE ICE FOG GROUND FOG FOG NN THUNDER HAIL HAIL SNOW GRAINS PELLETS SHOWERS SLEET
SHOWERS
ICE
CRYSTALS FREEZING RAIN FREEZING DRIZZLE DRIZZLE 25.0 4.5 RAIN 2.7 RAIN VARIABLE TOTAL % TOTAL WIND CALM WNW NNE ENE ESE WSW NNN SSW SSE × NA SW 3 ш S z

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

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WEATHER

BLOWING SAND AND DUST

BLOWING SNOW

SMOKE HAZE

CE FOG GROUND FOG

FOG

THUNDER

HAIL HAIL

SNOW GRAINS PELLETS SHOWERS

SLEET

SHOWERS

ICE

CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JAN 1973-DEC 1977

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TOTAL NUMBER OF OBSERVATIONS

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TOTAL % TOTAL

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### PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JAN 1973-DEC 1977

|        | L.S.T.)       |
|--------|---------------|
| ALL    | HOURS (L.S.T. |
| AUGUST | MONTH         |
| -      | 1             |

| NO<br>WEATHER                           | 75.9 | 87.5 | 86.4   | 93,3 | 92.1 | 89.5 | 87.5 | 91.2 | 78.9 | 75.5 | 84.2 | 0.09 | 68.9 | 82.4 | 53,3 | 88.9 |          | 26.2      | 1074 |        | 000     |
|---|------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|-----------|------|--------|---------|
| BLOWING<br>SAND<br>AND<br>DUST          |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | $\bigvee$ |      | 1      |         |
| 8LOWING                                 |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | X         |      |        |         |
| SMOKE<br>HAZE                           |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          |           | •    | •      | • •     |
| ICE FOG<br>GROUND<br>FOG                |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | $\bigvee$ |      |        |         |
| FOG                                     |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | $\bigvee$ |      |        |         |
| THUNDER                                 | 10.3 |      |        |      |      | 1.3  | 1,1  |      |      |      |      | 0.5  | 4.4  | 5.9  |      |      |          |           | 1.1  | •      | . ,     |
| HAIL<br>SMALL<br>HAIL                   |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | $\bigvee$ |      |        |         |
| SNOW<br>"GRAINS<br>"PELLETS<br>"SHOWERS |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | X         |      |        |         |
| SLEET<br>"SHOWERS<br>ICE<br>CRYSTALS    |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | $\bigvee$ |      |        |         |
| FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | $\bigvee$ |      |        |         |
| DRIZZLE                                 |      |      |        |      |      |      |      |      |      |      |      |      |      |      |      |      |          | $\bigvee$ |      |        |         |
| RAIN                                    | 10.3 | 12.5 | 11.9   | 4.0  |      |      | 5.7  |      | 14.7 |      |      | 15.0 | 6.7  | 5.9  | 33.3 | 11.1 |          |           | 0    |        | 8.0     |
| NIAN                                    | 3.4  |      | 1.7    | 2.7  | 2.5  | 2.0  | 6.8  | 4.4  | 6.3  | 9.4  | 15.8 | 25.0 | 25.2 | 5.9  | 13,3 |      |          | X         | 4    |        | **      |
| WIND                                    | z    | NNR  | M<br>W | ENE  | 3    | ESE  | SE   | SSE  | S    | SSW  | NS.  | MSM  | *    | MNM  | ¥N.  | *ZZ  | VARIABLE | CALM      |      | יסואר. | % TOTAL |

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TOTAL NUMBER OF OBSERVATIONS

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## PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JAN 1973-DEC 1977

AGANA, GUAM

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| N N EATHER                              | 95.2 | 88.7 | 95.8 | 93.2 | 600 | 93.5 | 84.5 | 91.7 | 75.3 | 79.3 | 83.3  | 91.1 | 88.7 | 63.3 | 15.0 | 96.2 |          |           | 1073 | 0    | 200     |
|---|------|------|------|------|-----|------|------|------|------|------|-------|------|------|------|------|------|----------|-----------|------|------|---------|
| BLOWING<br>SAND<br>AND<br>DUST          |      |      |      |      |     |      |      |      |      |      |       |      |      |      |      |      |          | $\bigvee$ |      |      |         |
| BLOWING                                 |      |      |      |      |     |      |      |      |      |      |       |      |      |      |      |      |          | $\bigvee$ |      |      |         |
| SMOKE                                   |      |      |      |      |     |      |      |      | 1:1  |      |       |      |      |      |      |      |          | $\bigvee$ |      | -    | 1.      |
| GROUND<br>FOG                           |      |      |      |      |     |      |      |      |      |      |       |      |      |      |      |      |          | $\bigvee$ |      |      |         |
| F0G                                     |      |      |      |      |     |      |      |      |      |      |       |      |      |      |      |      |          | $\bigvee$ |      |      |         |
| THUNDER                                 | 4.8  |      | 1.4  |      | *   | 1.1  | 1.7  | 1.7  | 1.1  |      |       |      |      | 3,3  |      |      |          |           | •    |      |         |
| HAIL<br>SMALL<br>HAIL                   |      |      |      |      |     |      |      |      |      |      |       |      |      |      |      |      |          | $\bigvee$ |      |      |         |
| GRAINS PELLETS SHOWERS                  |      |      |      |      |     |      |      |      |      |      |       |      |      |      |      |      |          | $\bigvee$ |      | 1    |         |
| SLEET " SHOWERS ICE CRYSTALS            |      |      |      |      |     |      |      |      |      |      |       |      |      |      |      |      |          | $\bigvee$ |      | 1    |         |
| FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE |      |      |      |      |     |      |      |      |      |      |       |      |      |      |      |      |          | $\bigvee$ |      |      |         |
| DRIZZLE                                 |      |      |      |      | . 4 |      |      |      |      |      |       |      | 1.4  |      |      |      |          | X         | ,    |      | •       |
| RAIN                                    | 6.9  |      |      | 4.1  | 7.1 |      | -    |      | -    |      | 11:11 |      | 7.0  | 13.3 | 25.0 | 3.8  |          | X         | 7.   |      | 2.0     |
| NAN                                     |      | 3.8  |      | 2.1  | 1.6 | 2.2  | 5.2  | 1.7  | 12.9 | 10.3 | 5.0   | 5.0  | 2.8  | 3.3  |      |      |          | X         | 04   | -    | 9.0     |
| WIND                                    | z    | NNE  | NE   | ENE  | E   | ESE  | SE   | SSE  | v    | SSW  | SW    | WSW  | *    | WNW  | WN   | MNN  | VARIABLE | CALM      |      | 10.0 | % TOTAL |

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TOTAL NUMBER OF OBSERVATIONS

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BLOWING SAND AND OUST

BLOWING NONS

SMOKE

ICE FOG GROUND FOG

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HAIL SMALL HAIL

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SLEET "SHOWERS ICE CRYSTALS

FREEZING RAIN FREEZING DRIZZLE

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

AGANA, GUAM

JAN 1973-0EC 1977

OCTOBER

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TOTAL NUMBER OF OBSERVATIONS

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### PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

JAN 1973-DEC 1977 ACAMA. GILAM

| ACANA, GUAM  | JAN 1973-DEC 1977 | NOVEMBER | ALL          |
|--------------|-------------------|----------|--------------|
| STATION NAME | YEARS             | HTNOM    | HOURS (L.S.1 |
|              |                   |          |              |
|              |                   |          |              |

| NO<br>WEATHER                           | 80.0 | 97.2 | 98.1 | 95.3 | 93.2 | 91.8 | 90.06 | 81.3 | 50.0 | 60.09 |      | 100.0 | 80.0 | 66.7 | 100.0 | 75.0 |          | No.       | 1115  | 92.9    |
|---|------|------|------|------|------|------|-------|------|------|-------|------|-------|------|------|-------|------|----------|-----------|-------|---------|
| BLOWING<br>SAND<br>AND<br>DUST          |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | X         |       |         |
| BLOWING                                 |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ |       |         |
| SMOKE                                   |      |      |      |      | .2   |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ | 2     | .2      |
| ICE FOG<br>GROUND<br>FOG                |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ |       |         |
| 90                                      |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ |       |         |
| THUNDER                                 |      |      |      |      |      |      |       |      |      |       | 50.0 |       |      |      |       |      |          | $\bigvee$ | ~     | 2.      |
| HAIL<br>SMALL<br>HAIL                   |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ |       |         |
| SNOW<br>GRAINS<br>PELLETS<br>SHOWERS    |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ |       |         |
| SLEET<br>SHOWERS<br>ICE<br>CRYSTALS     |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ |       |         |
| FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ |       |         |
| DRIZZLE                                 |      |      |      |      |      |      |       |      |      |       |      |       |      |      |       |      |          | $\bigvee$ |       |         |
| SHOWERS                                 | 15.0 | 2.8  | 1.9  | 4.2  | 9.4  | 4:1  | 8.6   | 12.5 | 30.0 | 0.04  | 50.0 |       |      | 33.3 |       |      |          | M         | 9     | 5       |
| NAN                                     | 5.0  |      |      |      | 2.2  | 3.4  |       | 6.3  | 20.0 |       |      |       | 20.0 |      |       | 25.0 |          | X         | 23    | 1.9     |
| WIND                                    | z    | NNE  | NE   | ENE  | w    | ESE  | SE    | SSE  | S    | SSW   | SW   | WSW   | *    | WNW  | MN    | NNN  | VARIABLE | CALM      | TOTAL | % TOTAL |

3 0

TOTAL NUMBER OF OBSERVATIONS

1,200

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PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

BRE

ACANA, GUAM

41406 STATION

JAN 1973-DEC 1977

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|-----|---|---|
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|          | L.S.1 |
|----------|-------|
| ALL      | ROURS |
| DECEMBER | MONTH |

| NO                                      | 100.0 | 95.8 | 95.1 | 95.5 | 93.9 | 64.5 | 0.06 | 50.0 |   | 100.0 |    | 100.0 |   |     |    | 100.0 |          | 0.00      | 046   | 8.46    |
|---|-------|------|------|------|------|------|------|------|---|-------|----|-------|---|-----|----|-------|----------|-----------|-------|---------|
| BLOWING<br>SAND<br>AND<br>DUST          |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | X         |       |         |
| BLOWING                                 |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | X         |       |         |
| SMOKE                                   |       |      |      |      | .3   |      |      |      |   |       |    |       |   |     |    |       |          | $\bigvee$ |       | -       |
| ICE FOG<br>GROUND<br>FOG                |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | $\bigvee$ |       |         |
| 509                                     |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | $\bigvee$ |       |         |
| THUNDER                                 |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | $\bigvee$ |       |         |
| HAIL<br>SMALL<br>HAIL                   |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | X         |       |         |
| SNOW<br>GRAINS<br>PELLETS<br>SHOWERS    |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | M         |       |         |
| SLEET<br>SHOWERS<br>ICE<br>CRYSTALS     |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | X         |       |         |
| FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | $\bigvee$ |       |         |
| DRIZZLE                                 |       |      |      |      |      |      |      |      |   |       |    |       |   |     |    |       |          | $\bigvee$ |       |         |
| RAIN                                    |       | 4.2  | 4.9  | 4.2  | 5.3  | 5.5  | 10.0 | 50.0 |   |       |    |       |   |     |    |       |          | $\bigvee$ | *     | 4       |
| ZIA                                     |       |      |      | 173  | 60   |      |      |      |   |       |    |       |   |     |    |       |          | $\bigvee$ | 4     | 4.      |
| WIND                                    | z     | NNE  | NE   | ENE  | ш    | ESE  | SE   | SSE  | S | SSW   | SW | WSW   | * | WNW | WN | NIN   | VARIABLE | CALM      | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

266

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NAVWEASERVCOM

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ALL

### PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

ALL JAN 1973-DEC 1977 AGANAS GUAM 41406 STATION

| NO                                      | 87.0 | 93.8 | 95.1 | 4.56 | 94.5 | 8006 | 88.2 | 0.68     | 80.1 | 76.0 | 75.0 | 82.6 | 81.9 | 83.2 | 79.2 | 87.7 |          | 7           | 13328 | 92.9    |
|---|------|------|------|------|------|------|------|----------|------|------|------|------|------|------|------|------|----------|-------------|-------|---------|
| SAND<br>AND<br>AND<br>DUST              |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |          | $\bigvee$   |       |         |
| BLOWING                                 |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |          | $\bigvee$   |       |         |
| SMOKE                                   |      |      |      |      | 0.   |      |      |          | -    |      |      |      |      |      |      |      |          | $\bigvee$   | 7     | 0.      |
| ICE FOG<br>GROUND<br>FOG                |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |          | $\bigvee$   |       |         |
| F0G                                     |      | ~    |      |      |      |      |      |          |      |      |      |      |      |      |      |      |          | $\bigvee$   | 2     | 0.      |
| THUNDER                                 | 1.2  | 7.   | 7.   | 0.   | 7.   |      | 0.   | <b>.</b> | en.  |      | 3.6  | •    |      | 2.1  | 1.4  | 6.   |          |             | 1,    |         |
| HAIL<br>SMALL<br>HAIL                   |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |          | X           |       |         |
| SNOW<br>GRAINS<br>PELLETS<br>SHOWERS    |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |          | $\bigvee$   |       |         |
| SLEET<br>SHOWERS<br>ICE<br>CRYSTALS     |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |          | $\bigvee$   |       |         |
| FREEZING<br>RAIN<br>FREEZING<br>DRIZZLE |      |      |      |      |      |      |      |          |      |      |      |      |      |      |      |      |          | $\bigvee$   |       |         |
| DRIZZLE                                 |      | -    |      | 0.   | 0.   |      |      |          |      |      |      |      |      |      |      |      |          | X           | 40    | -       |
| RAIN                                    | 6.2  |      | 4.4  | 3.8  | 4.6  | 9.9  | 7.0  | 6.3      | 11.3 | 14.0 | 14.3 | 4.0  | 6.1  | 12.6 | 11.1 | 9.9  |          | \<br>\<br>\ | 725   | 5.1     |
| N N N                                   | 5.6  | 1.4  | ur   |      |      | 2.3  | ***  | 4        | 60   |      | 8.9  | 12.8 | 8.6  | 3.2  | 8    | 4.7  |          | X           | 263   | 1.00    |
| WIND                                    | z    | NNE  | N.   | ENE  | B    | ESE  | SE   | SSE      | s    | SSW  | ws   | wsw  | ×    | MNM  | N.V. | MNN  | VARIABLE | CALM        | TOTAL | % TOTAL |

TOTAL NUMBER OF OBSERVATIONS

14,351

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### PART B

# PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

SNOW DEPTH SNOWFALL\*

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

- The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly latter statistics above are not presented for the snow depth summary since they would have limited use and and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The may be misleading. ;
- The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing. ò

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

From beginning of record thru 1945 Jun 57-present

Snow depth at 1230 GCT Snow depth at 1200 GCT Snow depth at 0030 GCT

Snow depth at 1200

Snow depth at 1230 GCT Snow depth at 1200 GCT

Snow depth at 0800 LST

U. S. Navy and Weather Bureau Stations

From beginning of record thru Jun 52 Jun 57-present Jul 52-May 57

\* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

#### DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

.

47-77 STATION NAME

|       |           |         |          |         | AMC     | AMOUNTS (INCHES) | CHES)    |           |           |            |             |                                | PERCENT |            | NOW     | MONTHLY AMOUNTS | UNTS   |
|-------|-----------|---------|----------|---------|---------|------------------|----------|-----------|-----------|------------|-------------|--------------------------------|---------|------------|---------|-----------------|--------|
| TRACE |           | 5       | .02.05   | 0190.   | л25     | 2650             | .51.1.00 | 1.01-2.50 | 2.51.5.00 | 5.01.10.00 | 10.01-20.00 | 10.01-20.00 OVER 20.00 OF DAYS | OF DAYS | NO.        |         | (INCHES)        |        |
| 4     | TRACE     | 0.1.0.4 | 0.5.1.4  | 1.5.2.4 | 2.5.3.4 | 3.5.4.4          | 4.5.6.4  | 6.5-10.4  | 10.5.15.4 | 15.5.25.4  | 25.5-50.4   | OVER 50.4                      | MEASUR- | 0 0 S      | ;       |                 | 1      |
| < .   | TRACE     | -       | 2        |         | 9.1     | 7.12             | 13.24    | 25.36     | 37.48     | 49.60      | 61.120      | OVER 120                       | AMTS    |            | MEAN    | GREATES         | ic val |
|       | 23.8 13.9 | 5.9     | 16.7     | 10.3    | 14.0    | 8.6              | 3.2      | 3.0       | •         |            |             |                                | 62.4    | 930        |         | 4.8718.09       | 1.15   |
| 65.0  | 18.0      | 6.3     | 16.0     | 10.7    | 12.5    | 5.1              | 2.2      | 1.8       | *.        | •          |             |                                | 55.3    | 848        | 5.99    | 9.25            | .31    |
|       | 18.8      | 7.8     | 14.9     | 7.7     | 13.9    | 5.4              | 2.6      | 1.3       |           |            |             |                                | 53.7    | 930        | 2.79    | 9.27            | .58    |
|       | 19.0      | 6.3     | 18.4     | 8.2     | 13.9    | 5.6              | 3.1      | 1.6       | . 3       | •          |             |                                | 57.8    | 900        |         | 3.6215.28       | .51    |
|       | 10.1      | 5.2     | 17.0     | 9.0     | 13.3    | 7.1              | 4.       | 2.3       | 6.        | *          |             |                                | 59.5    | 961        | 5.6124. | 24.07           | .78    |
|       | 11.6      | 4.5     | 17.6     | 11.5    | 16.8    | 10.2             | 8.       | 2.7       | .1        |            |             |                                | 70.1    | 930        |         | 4.9111.66       | 1.20   |
|       | 11.2 10.0 | 4.5     | 14.2     | 4.6     | 17.5    | 14.9             | 10.2     | 7.3       | 6.        |            |             |                                | 78.8    | 961        |         | 9.4817.69       | 4.46   |
|       | 7.8       | 3.9     | 12.8     | 10.1    | 15.1    | 12.9             | 12.0     | 9.6       | 1.9       | .3         |             |                                | 78.5    | 196        | 12.40   | 96112.4023.29   | 3.91   |
|       | 1.0       | 2.8     | 9.5      | 4.4     | 18.4    | 14.3             | 13.6     | 10.7      | 1.7       |            |             |                                | 9.08    | 87013.     | 13.26   | 2621.56         | 3.91   |
|       | 7.6       | 3.3     | 13.3     | 8.6     | 14.4    | 16.5             | 10.7     | 9.8       | 1.5       | • 2        | .1          |                                | 78.5    | 196        | 12.32   | 96112.3226.47   | 4.27   |
|       | 10.5      | 5.4     | 13.6     | 10.8    | 18.2    | 12.2             | 9.3      | 5.7       | 1.0       |            |             |                                | 76.2    | 870        |         | 8.2914.50       | 2.57   |
|       | 11.0      | 7.2     | 7.2 18.7 | 10.9    | 16.1    | 4.6              | 5.2      | 2.4       | .2        |            |             |                                | 70.4    | 961        | 4.86    | 8.45            | 1.88   |
|       | 16.7 12.8 | 5.3     | 5.3 15.2 | 7.6     | 15.3    | 10.2             | 6.9      | 4.8       | 8.        | .1         | 0.          |                                | 68.5    | 1108385.42 | 85.42   | X               | X      |

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PERCENTAGE FREQUENCY OF SNUWFALL (FROM DAILY OBSERVATIONS)

.

DAILY AMOUNTS

STATION NAME

AGANA, GUAM

47-77

|          |              |       |         |         |         | AM      | AMOUNTS (INCHES) | 4CHES)   |           |           |            |             |                                | PERCENT |       | MONT | MONTHLY AMOUNTS | UNTS  |
|----------|--------------|-------|---------|---------|---------|---------|------------------|----------|-----------|-----------|------------|-------------|--------------------------------|---------|-------|------|-----------------|-------|
| PRECIP.  | NON          | TRACE | 10:     | .0205   | 0190.   | .n25    | 26.50            | .51.1.00 | 1.01.2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | 10.01-20.00 OVER 20.00 OF DAYS | OF DAYS | NO.   |      | (INCHES)        |       |
| SNOWFALL | NON          | TRACE | 0.1.0.4 | 0.5-1.4 | 1.5.2.4 | 2.5.3.4 | 3.5.4.4          | 4.5.6.4  | 6.5-10.4  | 10.5-15.4 | 15.5.25.4  | 25.5.50.4   | OVER 50.4                      | MEASUR- | 0 0 S | 74   | Gerarect        | 18461 |
| SNOW.    | NON          | TRACE | -       | 2       | •       | 4.6     | 7.12             | 13.24    | 25.36     | 37.48     | 49.60      | 61.120      | OVER 120                       | AMTS    |       |      |                 |       |
| NY       | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 668   | 0.   | 0.              | 0     |
| 133      | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 820   | 0.   | 0.              | .0    |
| MAR      | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 899   | 0.   | 0.              |       |
| MAY      | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 840   | 0.   | 0.              | 0     |
| MAY      | MAY 100.0    |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 837   | 0.   | 0.              | 0.    |
| NOT      | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 840   | 0.   | •               | 0     |
| ınr      | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 1961  | 0.   | 0.              | 0     |
| AUG      | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 930   | 0.   | •               | 0.    |
| SEP      | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 870   | 0.   | 0.              | 0.    |
| 100      | 100.0        |       |         |         |         | *       |                  |          |           |           |            |             |                                |         | 961   | •    | 0.              | 0     |
| NO V     | 100.0        | *     |         |         |         |         |                  |          |           |           |            |             |                                |         | 006   | 0.   | •               | 0     |
| DEC      | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 668   | •    | 0.              | 0     |
| ANNUAL   | ANNUAL 100.0 |       |         |         |         |         |                  |          |           |           |            |             |                                |         | 10656 | 0.   | X               | X     |

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PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

DAILY AMOUNTS

ACANA, GUAN STATION NAME

49-591 62-77

YEARS

|                |              |       |         |         |         | Y       | AMOUNTS (INCHES) | NCHES)   |           |           |            |             |   | PERCENT |         | NON  | STAUDAN Y HTMOM | STAU  |
|----------------|--------------|-------|---------|---------|---------|---------|------------------|----------|-----------|-----------|------------|-------------|---|---------|---------|------|-----------------|-------|
| PRECIP.        | NON          | TRACE | 10.     | .0205   | 0100.   | .m25    | 26.50            | .51.1.00 | 1.01.2.50 | 2.51.5.00 | 5.01.10.00 | 10.01-20.00 | OVER 20.00                                      | OF DAYS | NO.     |      | (INCHES)        |       |
| SNOWFALL       | NON          | TRACE | 0.1.0.4 | 0.5-1.4 | 1.5.2.4 | 2.5.3.4 | 3.5.4.4          | 4.5.6.4  | 4.01-5.0  | 10.5.15.4 | 15.5.25.4  | 25.5-50.4   | 10.5-15.4 15.5-25.4 25.5-50.4 OVER 50.4 MEASUR- | MEASUR- | 0 0 0 0 |      |                 |       |
| SNOW.<br>DEPTH | NON          | TRACE | -       | 2       | 6       | 4.6     | 7.12             | 13.24    | 25.36     | 37.48     | 49.60      | 61.120      | OVER 120  | AMTS    |         | MEAN | GREATEST        | IEASI |
| NAL            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 589     |      |                 |       |
| 168            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 538     |      |                 |       |
| MAR            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 620     |      |                 |       |
| APR            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 900     |      |                 |       |
| MAY            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | \$69    |      |                 |       |
| NOT            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 340     |      |                 |       |
| JUL            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 651     |      |                 |       |
| AUG            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 713     |      |                 |       |
| SEP            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 570     |      |                 |       |
| 100            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 682     |      |                 |       |
| NOV            | NOV 100.0    |       |         |         |         |         |                  |          |           |           |            |             |   |         | 909     |      |                 |       |
| DEC            | 100.0        |       |         |         |         |         |                  |          |           |           |            |             |   |         | 589     |      |                 |       |
| ANNUAL         | ANNUAL 100.0 |       |         |         |         |         |                  |          |           |           |            |             |   |         | 7281    |      | X               | X     |

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PRECIPITATION

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YEARS

45-77

AGANA, GUAN

41406 STATION

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24 HOUR AMOUNTS IN INCHES

| YEAR /     | JAN. | FEB. | MAR. | APR. | MAY  | JUN. | JUL. | AUG. | SEP. | OCT.  | × 0 × | DEC. | MONTHS |
|------------|------|------|------|------|------|------|------|------|------|-------|-------|------|--------|
| 45         |      |      |      |      |      |      |      |      |      |       | 19.   |      |        |
| 64         |      |      |      |      |      |      |      |      |      |       |       |      |        |
| 4.4        |      |      |      |      | 0    | 1,05 | 2.20 | .86  |      | 5.59  |       | 1.40 | - 4    |
| <b>*</b>   | 2.15 | .30  | .20  | 2.45 | 09.  | 1.22 | 1.36 | 1.77 |      | 3.20  | 1.92  | 1.01 | 3.20   |
| 64         | 19.  | +2.  | .34  | 1.00 | 3    | 1.00 | 1.04 | 2.03 |      | 2.33  |       | . 20 |        |
| 20         | .31  | .29  | . 57 |      | 4.45 | 2.15 | 2.77 | 1.60 | 9.28 | 4.60  | 1.86  | 66.  | ~      |
| 51         | . 30 |      | . 55 | 3.16 | 12   | . 82 | 1.22 | 2.77 |      | 0.27  |       | 2.33 |        |
| 25         | 14.  | .17  | .16  | .36  | 1.40 |      | 1.90 | 1.70 | 3.39 | 2.07  | 2.07  | 3.17 | 3.39   |
| 53         | .30  | 5.83 | .35  | .37  | 64.  | . 50 | 2.14 | 5.53 |      | 15.48 | 3.47  | . 86 | 1      |
| 54         | 4.69 | . 53 | .22  | . 30 | **   | 1.47 | . 62 | 2.21 | 2.77 | 3,22  | 2.62  | .65  | 4.69   |
| 52         | 1.19 | .63  | . 55 | 19.  | 98.  | 1.31 | 5.29 | 2.13 | 2.65 | 1.49  | . 88  | 1.94 |        |
| 96         | .75  |      | 84.  | * 34 | 1.18 | 99.  | 5.19 | 1.82 | 2.32 | 1.70  | 3.48  | 2.29 |        |
| 2.5        | 89.  | .32  | 19.  | . 37 | 1.12 | 1.54 | 1.23 | 5.64 | 2.48 | 2.30  | 3.98  | . 52 |        |
| 20         | 3.48 | .59  | .16  | .57  | .77  | 2.30 | 28.2 | 3.03 | 1.95 | 2.00  | 1.66  | 1.61 | 3.48   |
| 56         | 99.  | .22  | 65.  | 1.05 | .17  | . 43 | 16.  | 3.04 | 2.44 | 2.47  | 1.29  | 1.13 |        |
| 09         | .55  | .07  | 1.07 | .2   | 1.0  | 96   | 1.09 | 1.48 | 1.04 | 1.10  |       | 1.80 |        |
| 61         | 1.40 | 20   | . 58 | 1.50 | 06.  | 1.69 | 70.  | 3.69 | 2.23 | 2.85  | 2.16  | 1.56 | 3.69   |
| 62         | 1.25 | 2.53 | .61  | 5.09 | 1.66 | 3.15 | 2.90 | 5.73 | 3.31 | 2.35  |       | 2.45 |        |
| 63         | 5.19 | 2.87 | .57  | 5.83 | 59.2 | 08.  | 7.92 | .91  | 2.31 | 3.52  | 66.   | 1.73 |        |
| 50         | 04.  | . 52 | . 79 | 2.07 | 2.92 | 98.  | 1.55 | 1.90 | 1.65 | 1.72  | 1.66  | 1.28 | 2.92   |
| 92         | 59.2 | .30  | .22  |      | .22  | 96   | 25.5 | 1.20 | 3.25 | 100   | 66.   | .36  |        |
| 99         | . 47 | .18  | . 29 | .15  | **   | 1.29 | 68.  | 4.87 | 6.01 | 1.39  | 1.41  | 100  | 6.01   |
| 67         | 1111 | 14.  | 1.75 | . 77 | 1.04 | 1.66 | 1.73 | 4.40 | 5.28 | 3.05  | 3.33  | .35  |        |
| 89         | 1.08 | 2.40 | 94.  | 80.  | . 82 | 1.69 | 1.71 | 2.32 | 3.23 | 3.13  | 1.74  | .29  |        |
| 69         | .43  | 10.1 | 1.10 | .81  | 10.1 | 14.  | 1.46 | 1.21 | 1.31 | 4.29  | 1.28  | 28.2 |        |
| 70         | 2.18 | .47  | 75.  | .36  | . 82 | 1.20 | 1.37 | 2.22 | 1.25 | . 19  | 1.28  | .78  | 2.22   |
| -          | .76  | 2.63 | 1.54 | 00.  | 99.9 |      | 84.4 | 4.89 | 1.09 | 1.36  | 1.22  | 09.  |        |
| 72         | 1.49 | 1.53 | .97  | . 24 | . 59 | 1.75 | 2.57 | 4.43 | 4.70 | .93   | .06   | . 55 | 4.70   |
| 19         |      | . 33 | .1.0 | . 18 | . 74 | 8.5  | 1.25 | 2.01 | G:   | 3.20  | • 64  | 00   |        |
| 74         | .63  | .57  | 1.79 | 3.29 | 3.71 | 1.60 | 3.08 | 4.53 | 4.92 | 2.45  | 1.28  | 1.80 | 5.71   |
| MEAN       |      |      |      |      |      |      |      |      |      |       |       |      |        |
| S. D.      |      |      |      |      |      |      |      |      |      |       |       |      |        |
| TOTAL OBS. |      |      |      |      |      |      |      |      |      |       |       |      |        |

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EXTREME VALUES

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PRECIPITATION

YEARS

24 HOUR AMOUNTS IN INCHES

| MONTHS | 7.91 |         | 1.719                       |
|--------|------|---------|-----------------------------|
| DEC.   | 1.36 | 5.      | 1.28<br>.784<br>961         |
| × 00 × | 3.02 | 826     | 1.91                        |
| OCT.   | 1.25 |         | 3.02                        |
| SEP.   | 3.18 | 4 · · · | 1.810                       |
| AUG.   | 5.05 | **.     | 1.485                       |
| JUL.   | 2.10 | 1.67    | 1.92                        |
| JUN    | 1.62 | £.      | 1.21                        |
| MAY    | 7.91 | 9.39    | 1.995                       |
| APR.   | 1.29 | 61.     | 1.239                       |
| MAR.   | 2.21 | 00      | . 522                       |
| 5      | 1.27 | 6.      | 1.223                       |
| JAN.   | 4.33 | 9.      | 1.32                        |
| MONTH  | 75   | -       | MEAN<br>S. D.<br>TOTAL OBS. |

NAVWEASERVCOM

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AGANA, GUAM

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PRECIPITATION

78ASED ON LESS THAN FULL MONTHS/ 45-77

STATION NAME

AGANA, GUAH

41406 STATION

| ¥ /      | 6.5   | 9.      | 16   | 23   | 09   | 29   | 15     |   |    |  | MEAN | S. D. | TOTAL ORS |
|----------|-------|---------|------|------|------|------|--------|---|----|--|------|-------|-----------|
| JAN.     |       | 2.08    |      |      |      |      |        |   |    |  |      |       |           |
| <b>£</b> |       | .33     |      |      |      |      |        |   |    |  |      |       |           |
| MAR.     |       |         |      |      |      |      |        |   |    |  |      |       |           |
| APR.     |       |         |      |      |      |      |        |   |    |  |      |       |           |
| MAY      |       |         |      |      |      |      |        |   |    |  |      |       |           |
| JUN      |       |         |      |      |      |      |        |   |    |  |      |       |           |
| JUL.     |       |         |      |      |      |      |        |   |    |  |      |       |           |
| AUG.     |       |         |      |      |      |      |        |   |    |  |      |       |           |
| SEP.     | 3.67  |         |      | 1,55 |      |      | 29     |   |    |  |      |       |           |
| OCT.     | 3.07  |         |      |      |      |      |        |   | ** |  |      |       |           |
| NON      |       |         | 2.61 |      | 1.32 | 1.29 |        |   |    |  |      |       | -         |
| DEC.     | 2.4.2 |         |      |      |      |      |        | 1 |    |  |      |       |           |
| MONTHS   | DAYS  | DAKECIP | DAYS | DAYS | DAYS | DAYS | PRECIP |   |    |  |      |       | -         |

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NAVWEASERVCOM

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FROM DAILY OBSERVATIONS SNOWFALL

45-77

AGANA, GUAN

24 HOUR AMOUNTS IN INCHES

|                                     | YEAR      | JAN. | <b>1</b> | MAR. | APR. | MAY | N. | JUL. | AUG. | SEP. |    | NO X | DEC. | MONTHS |
|-------------------------------------|-----------|------|----------|------|------|-----|----|------|------|------|----|------|------|--------|
|                                     |           |      |          |      |      |     |    |      |      | 0.   |    |      |      |        |
|                                     | 46        |      |          |      |      |     |    |      |      |      |    |      |      |        |
|                                     | 4.7       |      |          |      |      | 0.  |    | 0.   | 0.   | 0.   | 0. | 0.   | •    |        |
|                                     | (E)       | 0.   | •        | •    | •    | •   | •  | 0.   |      | 0.   | 0. | 0.   | 0    |        |
|                                     | 64        | 0.   | 0.       | 0.   | 0.   | •   | 0. | 0.   | 0.   | •    | 0. | 0.   | 0.   | 0.     |
|                                     | 20        | 0.   | •        | •    | 0.   | •   | 0. | 0.   | •    | •    | •  | •    | 0.   | •      |
|                                     | 21        | 0.   | 0.       | 0.   | 0.   | 0.  | 0. | 0.   | 0.   | 0.   | 0. |      | 0.   |        |
|                                     | 52        | 0.   | 0.       | 0.   |      | 0.  | 0. | 0.   | •    | 0.   | 0. | 0.   | 0.   |        |
|                                     | 200       | 0.   | 0.       | 0.   | 0.   | 0   | 0. | 0.   | 0.   |      | 0. | 0.   | 0.   |        |
|                                     | 54        | •    | 0.       | 0.   | 0.   |     | 0. | 0.   | 0.   | 0.   | 0. | •    | 0.   |        |
|                                     | 55        | 0.   | 0.       | 0.   | 0.   | 0.  | 0. | 0.   | 0.   | 0.   | 0. | 0.   | 0.   | 0.     |
|                                     | 96        | •    | 0.       | 0.   | 0.   | •   | 0. | 0.   | 0.   | •    | 0. |      | 0    | •      |
|                                     | 57        | 0.   | 0.       | 0.   | 0.   |     | 0. | 0.   | 0.   | 0.   | 0. | 0.   | •    |        |
|                                     | 50        | 0.   | 0.       | •    | 0.   | •   | 0. | 0.   | •    | •    | 0. | 0.   | 0    | •      |
|                                     | 65        | 0.   | 0.       | 0.   | 0.   | •   | 0. | 0.   | 0.   | 0.   | 0. | 0.   | 0.   | •      |
|                                     | 09        | •    | 0.       | 0.   | 0.   | 0.  | 0. | 0.   | •    | 0.   | 0. | °    | •    | •      |
|                                     | 61        | 0.   | 0.       | 0.   | 0.   | 0.  | 0. | 0.   | 0.   | 0.   | 0. | 0.   | •    | 0.     |
|                                     | 62        | •    | 0.       | ?    | 0.   | •   | 0. | 0.   | •    | •    | •  | •    | 0    | •      |
|                                     | 63        | 0.   | 0.       | 0.   | 0.   | 0.  | 0. | 0.   | 0.   | 0.   | 0. | 0.   | 0.   | 0.     |
|                                     | 49        | 0.   | •        | 0.   | 0.   |     |    | •    | 0.   |      | 0. | 0    |      |        |
|                                     | 69        |      | 0.       |      |      |     |    | 0.   | 0.   | 0.   | 0. |      |      |        |
|                                     | 99        | 0.   | •        | 0.   | 0.   | •   | 0. | 0.   | •    | •    | •  | 0.   | 0.   | •      |
|                                     | 67        | 0.   |          | 0.   | 0.   | •   | 0. | 0.   | 0.   | •    | 0. | 0.   | 0    |        |
|                                     | 68        | 0.   | 0.       | 0.   | 0.   | •   | 0. | 0.   | 0.   | •    | 0. | •    | 0.   | •      |
|                                     | 69        | 0.   | 0.       | 0.   | 0.   | •   | 0. | 0.   | 0.   | •    | 0. | 0.   | 0.   | 0.     |
|                                     | 20        | •    | •        | •    | •    | •   | 0. | 0.   | •    | •    | 0. | 0.   | 0    | •      |
|                                     | 11        | 0.   | 0.       | 0.   | 0.   | 0.  | 0. | 0.   | 0.   | 0.   | 0. | 0.   | 0.   | •      |
| 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. | 72        | 0.   | •        | •    | •    | •   | 0. | 0.   | •    | •    | •  | •    | 0.   | •      |
| 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0.    | 73        | 0.   | 0.       | 0.   | 0.   | 0.  | 0. | 0.   | 0.   | 0.   | 0. | •    | 0.   | 0.     |
| A.E.A.N. S. D. D.TAIL OBS.          | 74        | 0.   | 0.       | 0.   | 0.   | 0.  | 0. | 0.   | 0.   | 0.   | 0. | 0.   | 0    | 0.     |
| S. D. OTAL OBS.                     | MEAN      |      |          |      |      |     |    |      |      |      |    |      |      |        |
| DIAL OBS.                           | S. D.     |      |          |      |      |     |    |      |      |      |    |      |      |        |
|                                     | DTAL OBS. |      |          |      |      |     |    |      |      |      |    |      |      |        |

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41406 STATION

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**EXTREME VALUES** 

SNOWFALL FROM DAILY OBSERVATIONS

45-77

AGANA, GUAM

41406 STATION

24 HOUR AMOUNTS IN INCHES

|      | 0   | 0  | $\top$ |   | T |   |  | Т |     | $\top$ | 0    | 0     | 0          |
|------|-----|----|--------|---|---|---|--|---|-----|--------|------|-------|------------|
| ALL  | •   | •  |        |   |   |   |  |   |     |        | 00.  | 000   | 10656      |
| DEC. | 00  | •  |        |   |   |   |  |   |     |        | 00.  | 000.  | 668        |
| NO V | 0.0 | 0. |        |   |   |   |  |   | 9   |        | 00.  | 000.  | 006        |
| OCT. | 0.0 | 0. |        |   |   |   |  |   |     |        | 00.  | 000.  | 196        |
| SEP. | 0.  | 0. |        |   |   |   |  |   |     |        | 00.  | 000.  | 870        |
| AUG. | 0.0 | 0. |        | 7 |   |   |  |   |     |        | 00.  | 000.  | 086        |
| JUL. | 0.0 | 0. |        |   |   | 6 |  |   |     |        | 00.  | 0000  | 196        |
| JUN. | 00  | 0. |        |   |   |   |  |   |     |        | 00.  | 000.  | 340        |
| MAY  | 00  | 0. |        |   |   |   |  |   |     |        | 00.  | 000.  | 837        |
| APR. | 00  | 0. |        |   |   |   |  |   |     |        | 00.  | 000.  | 048        |
| MAR. | 0.0 | 0. |        |   |   |   |  |   |     |        | 00.  | 000.  | 668        |
|      | 0.0 | •  |        | 6 |   |   |  |   |     |        | 00.  | 000.  | 820        |
| JAN. | 0.0 | 0. |        |   |   |   |  |   | 188 |        | 00.  | 0000  | 668        |
| YEAR | 75  | *  |        |   |   |   |  |   |     |        | MEAN | S. D. | TOTAL OBS. |

NAVWEASERVCOM

FROM DAILY OBSERVATIONS SNOWFALL

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ZA HOUR AMOUNTS IN INCHES /BASED ON LESS THAN FULL MONTHS/ 45-77

AGANA, GUAM

| 30. 25. 25. 30. 30. 30. 25. 30. 25. 30. 30. 30. 30. 30. 30. 30. 30. 30. 30                                   | YEAR       | JAN. | 9 | MAR. | A S | MAY  | JUN. | JUL. | AUG. | SEP. |      | NON NO | DEC. |     |
|--|------------|------|---|------|-----|------|------|------|------|------|------|--------|------|-----|
| 30 0.0<br>30 2.0<br>30 3.0<br>30 3.0<br>30 3.0<br>30 3.0<br>30 3.0<br>30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 4.5        |      |   |      |     |      |      |      |      |      | 30.0 |        |      | ٠,٦ |
| 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0   | 9.         | 30.0 |   |      |     |      |      |      |      |      |      |        |      |     |
| 0.000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 4.1        |      |   |      |     |      | 29.0 |      |      |      |      |        |      |     |
| 0.62<br>0.62<br>0.62<br>0.63<br>0.63<br>0.64<br>0.65<br>0.65<br>0.65<br>0.65<br>0.65<br>0.65<br>0.65<br>0.65 | 94         |      |   |      |     |      |      |      | 30.0 |      |      |        |      |     |
| 0.000000000000000000000000000000000000   | 51         |      |   |      |     |      |      |      |      |      |      | 3.0    |      |     |
| 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0. 0   | 55         |      |   |      | 29  |      |      |      |      |      |      |        |      |     |
| 0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0<br>0.0   | 53         |      |   |      |     |      |      |      |      | 29   |      |        |      |     |
| 0.0000000000000000000000000000000000000  | 34         |      |   |      |     | 9.0  |      |      |      |      |      |        |      |     |
| 0 0.5 0.5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 57         |      |   |      |     | 30.0 |      |      |      |      |      |        |      |     |
| 0.62   | 40         |      |   |      |     | 0.00 |      |      |      | 29.0 |      |        |      | 900 |
| 0.62   | 6.5        | c    |   | c    | c   | c    |      |      |      |      |      | c      |      | C   |
|  | 61         |      | 0 |      | ,   | ,    |      |      |      |      |      |        |      | ,   |
|  | 7.5        |      |   |      |     |      |      |      |      | 2.0  |      |        |      |     |
|  |            |      |   |      |     |      |      |      |      |      |      |        |      |     |
|  | S. D.      |      |   |      |     |      |      |      |      |      |      |        |      |     |
| O.S.   | TOTAL OBS. |      |   |      |     |      |      |      |      |      |      |        |      |     |

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FROM DAILY OBSERVATIONS SNOW DEPTH

DAILY SNOW DEPTH IN INCHES

49-77

ACANA, GUAN

41406 STATION

| 7 YAY 700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | мух лиг лиг чис зер-   | NOV. 101. AUG. SEP. OCT. AUG. SEP. O | NOV. JUL. AUG. SEP. OCT. AUG. SEP. O |
|---|--|--|--|
| о о о о о о о о о о о о о о о о о о о       | лич лит чио о о о о о о о о о о о о о о о о о о  | лог. Уос. О О О О О О О О О О О О О О О О О О О  | ли.  |
| 700 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0     | 701. AUG. SEP. OCT. A | 700  | Jul. Aug. Sep. OCT. NOV. Dec. OCT. OCT. OCT. OCT. OCT. OCT. OCT. OCT   |
| 90000000000000000000000000000000000000      | νης  | νος σο   | УПО  |
| 00000 00 0 0000000000000000000000000000     |  |  |  |
|   | 5 0000 00 00000000   |  |  |
|   |  |  |  |

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NAVWEASERVCOM

FROM DAILY OBSERVATIONS SNOW DEPTH

DAILY SNOW DEPTH IN INCHES 49-77

| FEAR          | JAN. | Ę    | MAR.  | APR.  | MAY   | NO.  | JUL. | AUG.  | SEP.   | OCT.  | NO Z  | DEC.  | MONTHS |
|---------------|------|------|-------|-------|-------|------|------|-------|--------|-------|-------|-------|--------|
| 7.5           | 00   | 00   | 00    | 00    | 00    | 00   | 00   | 00    | 0      | 00    | 00    | 00    | 0      |
|               |      |      |       |       |       |      |      |       |        |       | ,0    |       | 0      |
| MEAN<br>S. D. | 0000 | 0000 | 0.000 | 0.000 | 0.000 | 0000 | 0000 | 0.000 | 0.000. | 0.000 | 0.000 | 0000. | 0.000  |

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NAVWEASERVCOM

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AGANAS GUAM

FROM DAILY OBSERVATIONS SNOW DEPTH

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YEARS

49-77

STATION NAME

AGANA, GUAM

41406 STATION

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/BASED ON LESS THAN FULL MONTHS/

| WEAR WONIN | JAN. |    | MAR | APR. | MAY | NOT | JUL. | AUG. | SEP. | OCT. | NO V | DEC. | MONTHS   |
|------------|------|----|-----|------|-----|-----|------|------|------|------|------|------|----------|
| 6.9        |      |    |     |      |     |     |      |      |      | •    | •    | •    | SNO DPTH |
|            |      |    |     |      |     |     |      |      | 0    | 0    | 0    | 0    | 5        |
| 9.         | •    | •  |     |      |     |     |      |      |      |      |      |      | 2000     |
| -          | 0    | 0  |     |      |     |     |      |      |      |      |      |      | CAM NOT  |
|            |      |    |     |      | 0   | 0   | 0    | 0    | 0    | 0    | c    | 0    | S        |
| 48         |      |    |     |      |     |     |      |      |      | ,    |      |      | SNO DPT  |
|            | 0    | 0  | 0   | 0    | 0   | 0   | 0    | c    | 0    | 0    | c    | 0    |          |
| 6.5        | •    | •  | (   |      |     | •   |      |      |      |      |      |      | SAU DPTH |
|            | 0    | 0  | 0   |      |     | >   |      |      |      |      | 4    |      | CAN ABTO |
| 10         |      |    |     |      |     |     |      |      |      |      | 29   |      | 200      |
| 25         |      |    |     | 0    |     | 0   |      |      |      |      |      |      | SNO DPT  |
|            |      |    |     | 50   |     | 1   |      |      |      |      |      |      | DAYS     |
| 53         | 0    |    |     |      |     |     | 0    |      |      | •    |      | ,    | SNO DPT  |
|            | 28   |    |     |      |     | c   | m    |      | 0    | 0    |      | 0    | DAYS     |
| 36         |      |    | ,   | - 1  |     |     | •    |      | •    | •    | 4    | •    | LAG DNS  |
|            | 0    | 0  | 0   | 0    |     | 0   | 0    | 0    | 0    | 0    | 0    | 0    | DAYS     |
| 55         |      |    |     |      | •   |     |      |      | •    | •    | •    | •    | SNO DNS  |
|            | 0    | 0  | 0   | 0    | 0   |     |      | 0    | 0    | 0    | 0    | 0    | DAYS     |
| 36         |      |    |     | 0    | 0   |     | 0    |      |      |      |      |      | SNO DP   |
|            |      |    |     | 27   | 53  |     | 0    |      |      |      |      |      | 12       |
| 57         |      | 0  |     |      | 0   |     |      |      |      |      |      |      | SNO DOT  |
|            |      | 27 |     |      | 0   |     |      |      |      |      |      |      | (1)      |
| 200        |      |    |     |      |     |     |      |      |      |      | 71   |      | SNG DPT  |
|            |      |    |     |      | c   | 0   | 0    | 0    | 0    | 0    | 0    | 0    | W)       |
| 66         |      |    |     | 4    | 0   |     |      |      |      |      |      |      | SNO DPT  |
|            | ō    | 0  | 0   | 0    | m   | 0   | 0    |      | 0    | 0    | 0    | 0    | DAYS     |
| 09         |      |    |     |      |     | 0   |      |      |      |      |      | ,    | SNO DPT  |
|            | 0    | 0  | 0   | 0    | 0   | -   | 0    | 0    | o    | 0    | 0    | 0    | DAYS     |
| MEAN       |      |    |     |      |     |     |      |      |      |      |      |      |          |
| S. D.      |      |    |     |      |     |     |      |      |      |      |      |      |          |
| TOTAL ORS  |      |    |     |      |     |     |      |      |      |      |      |      |          |

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SNOW DEPTH

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49-77

AGANA, GUAM

/BASED ON LESS THAN FULL MONTHS/

| YEAR       | JAN. | FEB. | MAR. | APR. | MAY  | JUN. | JUL. | AUG. | SEP. | OCT. | NOV | DEC. | ALL              |
|------------|------|------|------|------|------|------|------|------|------|------|-----|------|------------------|
| 19         | 0    | 0    | 0    | o    | 0    | 0    | 0,   | a    | 0    | 0    | 0   | 0    | SNO DPTH<br>DAYS |
| 29         | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |      | 0   | 0    | SAG DATH         |
| ***        | 0    | 0    | 0    |      |      |      |      |      |      |      |     |      | SNO DPTH<br>DAYS |
| 79         |      |      |      |      | 0 6% | 290  |      |      | 67   |      |     | 30   | SNO DPTH<br>DAYS |
| 69         | 0    |      | 0    | O    | 0    | c    |      |      |      |      | c   | 0    | SNO DPTH         |
| 67         |      | 0    |      |      |      |      |      |      |      |      |     |      | SNO DPTH         |
| 75         |      |      |      |      |      |      |      |      | 29.0 |      |     |      | SNO DPTH         |
|            |      |      |      |      |      |      |      |      |      |      |     |      |                  |
|            |      |      |      |      |      |      |      |      |      |      |     |      |                  |
|            |      |      |      |      |      |      |      |      |      |      |     |      |                  |
|            |      |      |      |      |      |      |      |      |      |      |     |      |                  |
|            |      |      |      |      |      |      |      |      |      |      |     |      |                  |
|            |      |      |      |      |      |      |      |      |      |      |     |      |                  |
|            |      |      |      |      |      |      |      |      |      |      |     |      |                  |
|            |      |      |      |      |      |      |      |      |      |      |     |      |                  |
| MEAN       |      |      |      |      |      |      |      |      |      |      |     |      |                  |
| S. D.      |      |      |      |      |      |      |      |      |      |      |     |      |                  |
| TOTAL OBS. |      |      |      |      |      |      |      |      |      |      |     |      |                  |

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## DAILY EXTREME AMOUNTS

1948-1977 1946-1946

STATION NAME

ACANA, GUAN

STATION 41406

JANUARY MONTH

YEARS

FEBRUARY MONTH

DATE SNOWFALL Z INCHES 1976 DATE PRECIPITATION GREATEST M 0.71 INCHES DAY

DATE

Z

INCHES

DATE

Z

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DAY

1976

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1972\*

1.01 1.49

1946

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1972

1972 1974 1974

0.28

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9

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SNOWFALL

PRECIPITATION GREATEST

1963 30 1951 197 2.87 1.19 2.63

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4 1965 \* 1970 8 1964 0.43 0.36 0.30

> 14 15 16 17 18 19 20 21

13

1965\*

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3.48

37 1948

1.47

1948

55 13

2.15 0.53

88 1958

1963 1970

64 45

1.94

0

1.66 1.66

1961

1963

1959

1957

10 = 12 13 14 15 16 11 18 19 20 21 22 23 24 25 26

1955

20

1.02 4.69 0.68 0.68

œ 6

119 1954

> 0.59 1.01 66.0 69.0

24 1968

16 1955

27 1951

149 1953

5.88

22 23 24 25 36

2.18 2.85

0

8961 19

2.40

1.05 1.03

1958

1.06

1968

1968

27

26 1963

39 1972

28 59

27

1976

2.13

28 53 30 31

27

0

1.96 0.74

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916161

19 1954

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Monthly

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1963

1976

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1976

4.33 3.25

1970

1965

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149 1953

30

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Monthly

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DIRNAVOCE ANMET - SMOS

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T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

· ALSO ON EARLIER YEARS

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

## DAILY EXTREME AMOUNTS

1948-1977 1946-1940

STATION NAME

ACANA, GUAM

MONTH MARCH

MONTH

APRIL

SNOWFALL GREATEST Z INCHES DATE 1957 20 1967 197 PRECIPITATION M 64.0

DAY

DATE

MM

INCHES

DATE

MM

DAY

1967

64.0

11 1968

13 1961 1951

0.51 0.21 0.80

SNOWFALL

PRECIPITATION GREATEST

DATE

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21 1964 80 1951 3.16 0.83 5.09

16

1974

28 1974

11.11

15 16

1.77

10.1

14

1967

36

44 1967

37 1971

1.44 1.75 1.43 14.0 99.0 0.34 0.71

> 18 19 20

11

12 1976

17 1975

1949

22 23

21

1977

0.81

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27 1960

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> 20 21 22 23 24 25 56 27

0.29 2.07

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1967

53 1964

43 1964

7 1975\*

1974

1.04

25 1974

2.45 5.83

> 59 30

56 1976

Monthly

0

28 1976

1.10

53 30

28

12.5

0.81 0.49 12.5

28

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

\* ALSO ON EARLIER YEARS

Monthly

3

DIRNAVOCE ANMET - SMOS

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STATION 41406

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

# DAILY EXTREME AMOUNTS

1946-1977

STATION NAME

AGANA, GUAM

MAN

MONTH

YEARS

|     | PR     | PRECIPITATION<br>GREATEST | NO.   | SO     | SNOWFALL |      |
|-----|--------|---------------------------|-------|--------|----------|------|
| DAY | INCHES | MM                        | DATE  | INCHES | MM       | DATE |
| -   | 1.69   | 43                        | 1961  |        |          |      |
| 2   |        | 30                        | 1950  |        |          |      |
| 8   | 0.93   | 54                        | 1968  |        |          |      |
| 4   | 2.40   | 19                        | 1962  |        |          |      |
| 2   | 0.95   | 54                        | 1961  |        |          |      |
| 9   | 0.57   | 14                        | 1963  |        |          |      |
| 7   | 1.80   | 46                        | 1974  |        |          |      |
| 8   | 19.0   | 17                        | 1948  |        |          |      |
| 6   | 1.31   | 33                        | 1955  |        |          |      |
| 00  | 1.20   | 30                        | 1970  |        |          |      |
| =   | 69.0   | 17                        | 1968  |        |          |      |
| 12  | 1.62   | 7 7                       | 1976  |        |          |      |
| 13  | 1.46   | 37                        | 1958  |        |          |      |
| 14  | 2.30   | 58                        | 1958  |        |          |      |
| 15  | 1.05   | 27                        | 1947  |        |          |      |
| 16  | 99.0   | 16                        | 1973  |        |          |      |
| 17  | 0.52   | 13                        | 1948  |        |          |      |
| 18  | 0.51   | 13                        | 1961  |        |          |      |
| 19  | 0.34   | 0                         | 1965* |        |          |      |
| 20  | 1.54   | 36                        | 1957  |        |          |      |
| 21  | 0.72   | 18                        | 1961  |        |          |      |
| 22  | 1.75   | 44                        | 1972  |        |          |      |
| 23  | 1.49   | 36                        | 1961  |        |          |      |
| 24  | 96.0   | 24                        | 1960  |        |          |      |
| 25  | 1.16   | 53                        | 1968  |        |          |      |
| 36  | 2.15   | 55                        | 1950  |        |          |      |
| 27  | 3.15   | 80                        | 1962  |        |          |      |
| 28  | 1.69   | 43                        | 1968  |        |          |      |

| PRECIPITATION GREATEST  MM DATE  170 1971  170 1971  170 1971  170 1971  170 1971  170 1971  170 1971  170 1971  170 1971  170 1972  170 1972  170 1973  170 1974 | 952<br>972*<br>972*<br>971<br>971<br>975<br>975<br>976<br>976<br>976<br>976<br>976<br>976<br>976<br>976<br>976<br>976 | PATE<br>9072*<br>9071<br>9074<br>9074<br>9074<br>9074<br>9074<br>9074<br>9074<br>9074 |
|---|---|---|
|   |   |   |

• ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

2219

21 1962

0.82

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39

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80 1962

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Monthly

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

0

41406 STATION

MONTH AUGUST

# DAILY EXTREME AMOUNTS

1946-1977

STATION NAME

ACANA, GUAH

41406 STATION

1911

JUL Y MONTH

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

YEARS

|                           | DAY    | -    | 2    | 8     | 4    | co   | 9    | 7    | 8    | 6     | 10   | ======================================= | 12   | 13   | 14   | 15   | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   | 30   | -     |
|---------------------------|--------|------|------|-------|------|------|------|------|------|-------|------|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| PRE                       | INCHES | 1.70 | 5.73 | 64.43 |      | 3.50 | 1.98 | 1.88 | 2.46 | 11.11 | 1.90 | 5.53                                    | 4.53 | 1.51 | 2.85 | 1.49 | 1.70 | 0.78 | 1.79 | 2.22 | 1.84 | 5.02 | 1.37 | 1.48 | •    | 3.69 |      | 2.95 | 4.11 | 1.56 | 2.03 | 1 9 . |
| PRECIPITATION<br>GREATEST | MM     | 43   | 146  | 113   | 124  | 89   | 90   | 48   | 29   | 28    | 84   | 140                                     | 1115 | 38   | 72   | 38   | 43   | 20   | 45   | 96   | 47   | 128  | 35   | 38   | 112  | 76   | 15   | 75   | 104  | 04   | 25   | 2.2   |
| NO.                       | DATE   | 1952 | 1962 | 1972  | 1971 | 1976 | 1961 | 1961 | 1961 | 1975  | 1961 | 1953                                    | 1974 | 1973 | 1961 | 1962 | 1949 | 1968 | 1953 | 1970 | 1954 | 1976 | 761  | 1966 | 1961 | 1961 | 1973 | 1974 | 1953 | 1959 | 1949 | 976   |
| s                         | INCHES |      |      |       |      |      |      |      |      |       |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
| SNOWFALL                  | MM     |      |      |       |      |      |      |      |      |       |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |
|                           | DATE   |      |      |       |      |      |      |      |      |       |      |   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |

Bung

|                           |        |      |      | _    | _    |      | _    |      |      | Г    | _    | _    | _    | Т    |      |      |      |      |      | _    |      |      |      |      |      |      |      |      |      |      |      |      |         |
|---------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|---------|
|                           | DATE   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |
| SNOWFALL                  | MM     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |
| S                         | INCHES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |         |
| Z                         | DATE   | 1948 | 1947 | 1964 | 1965 | 1952 | 1974 | 1955 | 1955 | 1948 | 1963 | 1955 | 1955 | 1950 | 1974 | 1969 | 1958 | 1949 | 1976 | 1950 | 1671 | 1962 | 1965 | 1972 | 1949 | 1971 | 1975 | 1962 | 1965 | 1955 | 1964 | 1962 | 1971    |
| PRECIPITATION<br>GREATEST | MM     | 33   | 20   | 36   | 35   | 48   | 78   | 22   | 16   | 22   | 64   | 39   | 31   | 7    | 84   | 58   | 72   | 27   | 53   | 10   | 114  | 4.1  | 49   | 63   | 99   | 31   | 3.6  | 73   | 45   | 31   | 36   | **   | 114     |
| PRE                       | INCHES | 1.36 | 2.20 | 1.43 | 1.25 | 1.90 | 3.08 | 0.86 | 2.00 | 0.86 | 1.92 | 1.53 | 1.23 | 1.60 | 1.90 | 1.16 | 2.85 | 1.06 | 2.10 | 2.77 | 84.4 | 1.85 | 2.52 | 2.57 | 1.80 | 1.99 | 2.93 | 2.88 | 1.70 | 1.21 | 1.55 | 2.90 | 87.4    |
|                           |        |      | 1    | -    | -    | -    | -    | +    | -    | -    | -    | +    | -    | -    | +    | 1    | -    | -    | -    | _    | -    | -    | _    | -    | -    | -    | -    | -    | -    | -    | 1    | -    | Monthly |

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• ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

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## DAILY EXTREME AMOUNTS

1945-1977

STATION NAME

STATION 41406

ACANA, GUAM

SEPTEMBER MONTH

YEARS

DCTOBER

|                           | DAY    | -    | 2    | 8    | 4    | 2    | 9    | 7    | 8    | 6    | 10   | ==   | 12   | 13   | 14   | 15    | 16   | 17   | 18   | 19   | 20   | 21   | 22   | 23   | 24   | 25   | 26   | 27   | 28   | 29   |
|---------------------------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| PRE                       | NOHEN  | 1.82 | 4.68 | 3.22 | 6.27 | 3.20 | 3.07 | 1.56 | 5.44 | 1.86 | 1.57 | 5.96 |      | 2.23 | 1.68 | 15.48 | 69.4 |      | 3.38 |      | 0    | 2.07 | •    | 2.85 | 1.72 | 1.48 | 1.77 | 1.49 | 3,20 | 2.01 |
| PRECIPITATION<br>GREATEST | MM     | 99   | 119  | 82   | 159  | 18   | 78   | 04   | 29   | 14   | 04   | 73   | 140  | 57   | 64   | 393   | 119  | 53   | 86   | 120  | 77   | 53   | 80   | 72   | 44   | 38   | 45   | 38   | 81   | 51   |
| NO                        | DATE   | 1962 | 1950 | 1954 | 1951 | 1973 | 1945 | 1961 | 1951 | 1661 | 1973 | 1963 | 1963 | 1981 | 1950 | 1953  | 1953 | 1969 | 1969 | 1977 | 1961 | 1952 | 1968 | 1961 | 1964 | 1973 | 1947 | 1955 | 1948 | 6961 |
| s o                       | INCHES |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| SNOWFALL                  | MM     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                           | DATE   |      |      |      |      |      |      |      |      |      |      |      |      |      |      |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

0.0

\* ALSO ON EARLIER YEARS

T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

> 1.25 15.48

31 Monthly 30

393 1953

DIRNAVOCE ANMET - SMOS

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NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

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DAY

DATE

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INCHES

DATE 1954

MM

2.77 2.32

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3.18 3.22 9.28

1963

SNOWFALL

PRECIPITATION GREATEST

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1961 1953 1952 1955 74 1962 84 1962

45 1958

4.92 1.58 2.03 1.76 2.27

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25 25

. 25 1.56 2.65

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27

26.2

29 28

3.31

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0

236 1950

9.28

Monthly

DECEMBER MONTH

## DAILY EXTREME AMOUNTS

STATION NAME

ACANA, GUAM

41406 STATION NOVEMBER MONTH

NAVAL WEATHER SERVICE DETACHMENT

ASHEVILLE, NORTH CAROLINA

DATE

MM

INCHES

1976

MM

DAY

36 1948

2.03 1.42 2.61 1.51

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1952 47 1950

> 1.86 3.25

> > 9

1991

34 1956

SNOWFALL

PRECIPITATION GREATEST

1945-1977

YEARS

| 0.22 6 1   | 0.22 6  | 0.22 6  | 0.22 6  | 1.15 29  | 1.15 29  | 1.80  | MM DATE INCHES   |  |  |  |  |   |  |
|--|---|---|---|--|--|---|--|--|--|--|--|---|--|
| 0.22 6   | 0.22 6  | 0.22 6  | 0.22 6  | 9 66 0   |  | 1.56 40 1 1.94 49 1 1.87 47 1 1.27 32 1 2.82 72 1 0.91 23 1 0.51 13 1 1 1.40 36 1 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 1.44<br>0.75<br>1.81<br>1.81<br>1.80<br>1.80<br>1.80<br>1.80<br>1.60<br>1.61<br>1.61<br>1.61<br>1.61<br>1.64<br>1.61<br>1.61<br>1.61<br>1.64<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61<br>1.61 | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.81 46 1953   1.81 46 1954   1.80 46 1954   1.80 46 1955   1.80 46 1956   1.80 46 1960   1.80 46 1960   1.80 46 1960   1.80 47 1951   1.80 47 1951   1.87 47 1951   1.40 36 1947   1.46 37 1963   | 1.64 37 11 15 10 10 10 10 10 10 10 10 10 10 10 10 10   | 1.44 37 1969 INCHES 1.44 37 1969 INCHES 1.44 37 1969 INCHES 1.81 46 1951 2.42 61 1962 2.42 61 1962 2.42 61 1960 Inches 1.51 35 1960 Inches 1.51 35 1960 Inches 1.56 40 1961 Inches 1.56 1962 Inches 1.56 1962 Inches 1.56 1963 Inches 1.56 1963 Inches 1.56 1963 Inches 1.56 1963 Inches Inc | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 40 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 41 1958<br>1.51 40 1961<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>1.87 47 1951<br>1.94 49 1955<br>1.94 49 1955<br>1.94 47 1951<br>1.97 67 1951<br>1.40 36 1976<br>0.51 13 1976<br>0.51 13 1976<br>0.59 15 1963<br>1.40 36 12 1963  | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.03 52 1962  2.03 52 1962  1.51 35 1960  1.51 38 1966  1.54 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 37 1969  0.91 23 1976  0.59 15 1963  1.40 36 1947  0.59 15 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  0.75 19 1963  1.80 46 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.61 41 1958  1.64 16 1970  1.51 38 1964  1.54 49 1955  1.94 49 1955  1.94 49 1955  1.94 47 1951  1.27 32 1962  2.82 72 1969  0.91 23 1976  0.51 13 1976  1.40 36 1947  0.59 15 1963  1.46 37 1963  |
| 0.37   | 9 75-0  |   | 111   | 3 3 3 5  | 0.22 6   | 1.56 40<br>1.99 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>0.84 21  | 1.44 37 1<br>0.75 19 1<br>1.81 46 1<br>1.80 46 1<br>1.61 41 1<br>1.51 39 52 1<br>1.51 39 1<br>1.54 49 1<br>1.57 32 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1  | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.81 40 1951   1.81 40 1951   1.80 40 1951   1.80 40 1960   1.24 61 1956   1.26 40 1961   1.27 32 1962   1.27 32 1963   1.40 36 1947   1.40 36 1948   1.46 37 1963   1.46 37 1963   1.46 37 1963   1.46 37 1963   1.46 37 1956   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1964<br>1.61 41 1958<br>1.61 41 1958<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956<br>1.97 47 1951<br>1.27 32 1976<br>1.40 36 1947<br>0.51 13 1976<br>1.46 37 1963<br>1.46 37 1958   | 1.44 37 1969<br>1.44 37 1969<br>0.75 19 1963<br>1.81 40 1948<br>1.80 40 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1956<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 72 1969<br>1.27 72 1969<br>0.91 23 1976<br>1.40 36 19 1956<br>1.40 36 19 1956<br>1.40 36 19 1956<br>1.40 37 1963<br>1.46 37 1963<br>1.46 37 1956  | 1.64 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 41 1958<br>1.51 38 1956<br>1.56 40 1961<br>1.57 32 1962<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.60 36 1947<br>0.51 136 37 1963<br>0.51 136 37 1963<br>0.64 12 1956   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.03 52 1962  2.03 52 1962  1.61 41 1958  1.51 38 1964  1.51 38 1964  1.87 47 1951  1.87 47 1951  1.87 47 1951  1.87 32 1969  0.91 23 1976  0.91 23 1976  1.46 37 1963  0.46 12 1948  0.46 12 1956   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1976  2.03 52 1962  2.03 52 1962  1.51 38 1964  1.56 40 1961  1.56 40 1961  1.57 32 1964  1.57 32 1965  1.57 32 1965  1.57 32 1965  1.57 32 1965  1.57 32 1965  1.57 32 1965  1.57 32 1966  1.58 72 1969  0.51 13 1976  1.46 37 1963  0.46 12 1948  0.51 1956  1.46 37 1963   |
| 0.37   | 6   |   | 2 4 4   | 0.00   | 0 22   | 1.56 40<br>1.99 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>0.59 15<br>1.46 37<br>0.84 21<br>1.15 29                                  | 1.44 37 1<br>0.75 19 1<br>1.81 46 1<br>1.80 46 1<br>1.61 41 1<br>1.24 61 1<br>1.24 61 1<br>1.24 61 1<br>1.24 61 1<br>1.27 38 1<br>1.27 32 1<br>1.27 32 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1  | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.81 0.75 19 1963   1.81 46 1974   1.80 46 1974   1.80 46 1976   1.20 35 1960   1.20 35 1960   1.27 32 1962   1.40 36 1976   1.40 36 1976   1.40 36 1976   1.46 37 1963   1.46 37 1959   1.15 29 1956   1.15 29 29 29 29 29 29 29 29 29 29 29 29 29  | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>1.81 46 1948<br>1.82 46 1974<br>1.61 41 1953<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1953<br>1.51 38 1966<br>1.51 38 1966<br>1.56 40 1961<br>1.57 32 1962<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.60 36 15 1969<br>0.51 13 1976<br>0.59 15 1963<br>0.46 12 1956  | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1964<br>1.51 38 1964<br>1.54 49 1951<br>1.27 32 1969<br>0.51 13 1976<br>0.51 13 1976<br>1.40 36 12 1958<br>1.40 36 12 1958   | 1.64 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1956<br>1.51 38 1956<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1969<br>1.94 49 1955<br>1.94 49 1955<br>1.94 49 1955<br>1.94 37 1969<br>0.91 23 1976<br>0.51 13 1976<br>0.59 15 1963<br>1.46 37 1963<br>0.46 12 1956   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.03 52 1962  2.03 52 1962  1.51 41 1958  1.51 35 1964  1.51 36 1976  1.94 49 1955  1.94 47 1951  1.94 47 1951  1.94 47 1951  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  1.51 35 1964  1.51 38 1964  1.56 40 1961  1.57 32 1969  0.51 13 1976  0.51 13 1976  0.51 13 1976  1.40 36 1959  1.40 36 1959  1.40 36 1959  1.40 36 19 1959  1.46 37 1963  1.46 37 1963   |
|  |   | 0.37  | 0 44  | ł  |  | 1.56 40<br>1.94 49<br>1.94 49<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12            | 1.44 37 15 15 15 15 15 15 15 15 15 15 15 15 15   | 1.44 37 1969 INCHES INCHES INCHES INCHES In the state of  | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 38 1960<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1959<br>1.97 47 1951<br>1.27 32 1976<br>0.91 23 1976<br>1.40 36 15 1969<br>0.59 15 1963<br>1.46 37 1963<br>0.46 12 1969<br>0.84 21 1956<br>0.84 21 1956  | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.64 16 1970<br>1.51 38 1960<br>1.54 49 1955<br>1.94 47 1951<br>1.94 47 1951<br>1.94 47 1951<br>1.95 32 1969<br>0.51 13 1976<br>0.51 13 1976<br>0.51 13 1976<br>0.51 13 1976<br>0.59 15 1963<br>1.40 36 1947<br>0.59 15 1963<br>0.46 12 1959<br>0.46 12 1959   | 1.64 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.85 46 1976<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1960<br>1.28 33 1964<br>1.51 38 1956<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>1.94 49 1955<br>1.94 49 1955<br>1.94 47 1951<br>1.95 37 1969<br>0.91 23 1976<br>0.51 13 1976<br>0.51 12 1948 | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.03 52 1962  1.61 41 1956  1.51 38 1956  1.56 40 1961  1.57 32 1969  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.95 37 1969  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976 | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.03 52 1962  2.03 52 1960  1.51 35 1960  1.51 38 1956  1.51 38 1956  1.54 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 37 1969  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  0.91 23 1976  1.40 36 15 1959  1.40 36 15 1959  |
|  |   |   | -   | 6  | 6 75.0   | 1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>0.91 23<br>1.40 36<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 21<br>1.15 29 | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>1.80 46 1<br>1.51 38 1<br>1.51 38 1<br>1.56 46 1<br>1.56 46 1<br>1.56 46 1<br>1.56 49 1<br>1.57 49 1<br>1.58 5 1<br>1.58 5 1<br>1.58 5 1<br>1.58 5 1<br>1.58 5 1<br>1.58 6  | 1.44 37 1969 INCHES INC | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>1.61 41 1958<br>1.61 41 1958<br>1.61 40 1961<br>1.51 38 1964<br>1.51 38 1966<br>1.56 40 1961<br>1.56 40 1961<br>1.57 72 1969<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.80 37 1963<br>1.46 37 1963<br>1.46 37 1963<br>1.46 37 1969<br>0.52 6 1969  | 1.44 37 1969<br>1.44 37 1969<br>1.56 19 19 19 19 19 19 19 19 19 19 19 19 19  | 1.44 37 1969 1.44 37 1969 0.58 15 1953 0.58 15 1963 1.81 46 1948 1.81 46 1948 1.81 46 1946 1.81 1.81 41 1958 1.81 40 1961 1.81 40 1961 1.80 40 1961 1.80 40 1961 1.80 40 1961 1.87 47 1951 1.94 49 1955 1.87 47 1951 1.46 37 1963 1.46 37 1969 0.46 12 1969 0.52 6 1969 0.52 6 1969  | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1951  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.51 38 1964  1.51 38 1964  1.56 40 1961  1.56 40 1961  1.56 40 1961  1.57 38 1964  1.58 23 1976  0.51 13 1976  0.51 136 37 1963  0.46 12 1956  1.46 37 1969  0.46 12 1956  0.46 12 1956  0.46 12 1956   | INCHES MM DATE INCHES  1.44 37 1969 1.44 37 1969 1.44 37 1969 1.81 46 1948 1.81 46 1948 1.80 46 1962 2.42 61 1962 2.42 61 1962 2.42 61 1962 1.51 35 1964 1.51 38 1966 1.58 23 1966 1.94 47 1951 1.94 47 1951 1.94 47 1951 1.94 47 1951 1.94 47 1951 1.94 37 1963 0.51 13 1976 0.51 136 35 1976 1.46 37 1963 0.46 12 1948 0.84 21 1956  |
| 0.22 6   | 0.22 0  | 0.22 6  | 0.22 6  | 0.33   |  | 1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>0.59 15<br>1.46 37  | 1.44 37 1<br>0.75 19 1<br>1.81 46 1<br>1.80 46 1<br>1.61 41 1<br>1.24 61 1<br>1.24 61 1<br>1.24 61 1<br>1.27 35 1<br>1.27 32 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1  | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.45 1953   1.81 46 1954   1.81 46 1954   1.80 46 1954   1.51 35 1960   1.51 35 1960   1.51 36 1957   1.57 32 1962   1.57 32 1963   1.40 36 1947   1.40 36 1956   1.46 37 1963   1.46 37 1955   1.46 37 1955   1.46 37 1955   1.46 37 1955   1.46 37 1956   1.46 37 1963   1.46 37 1956   1. | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>1.81 46 1948<br>1.85 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1966<br>1.51 38 1966<br>1.58 38 1956<br>1.56 40 1961<br>1.57 32 1969<br>1.87 47 1951<br>1.87 47 1951 | 1.44 37 1969<br>1.44 37 1969<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1956<br>1.51 35 1964<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 72 1969<br>0.91 23 1976<br>0.51 13 1976<br>1.46 37 1963<br>1.46 37 1963<br>0.46 12 1956   | 1.64 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 41 1958<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.27 32 1969<br>0.91 23 1976<br>0.59 15 1963<br>1.46 37 1963<br>0.46 12 1956   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.03 52 1962  2.03 52 1962  1.51 41 1958  1.51 38 1964  1.51 38 1966  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1956  0.91 23 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 12 1948   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  1.51 35 1964  1.51 38 1964  1.56 40 1961  1.56 40 1961  1.57 32 1962  2.82 72 1969  0.91 23 1976  0.51 13 1976  0.51 13 1976  1.40 36 1956  1.40 36 19 1956  1.40 36 19 1956  1.40 36 19 1956  1.40 36 19 1956  1.40 36 19 1956  1.40 36 19 1956  1.40 36 19 1956  1.40 36 19 1956  1.40 36 12 1948   |
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| 0.22 6   | 0.22 6  | 0.22 6  | 0.22 6  | 1.15 29  | 1.15 29  | 1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37   | 1.44 37 1<br>1.81 46 1<br>1.81 46 1<br>1.80 46 1<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.54 49 1<br>1.87 47 1<br>1.87 32 1<br>1.40 36 15 1   | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.81 40 1963   1.81 40 1963   1.81 40 1951   1.80 40 1951   1.20 35 60 1951   1.20 35 1960   1.20 36 1951   1.27 32 1962   1.20 36 1947   1.40 36 1947   1.40 36 1948   1.46 37 1963   1.46 37 12 1948   1.46 37 1963   1.46 37 1463   1.46 37  | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>1.81 46 1948<br>1.82 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1966<br>1.51 38 1966<br>1.58 38 1956<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.60 36 15 1969<br>0.51 13 1976<br>0.59 15 1963<br>0.46 12 1963  | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.52 47 1951<br>1.87 47 1951<br>1.86 37 1963   | 1.64 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1956<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.60 36 1946<br>0.51 13 1976<br>0.51 13 1976   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.03 52 1962  2.03 52 1962  1.51 41 1958  1.51 38 1964  1.80 46 1960  1.87 47 1951  1.87 47 1951  1.87 32 1969  0.91 23 1976  0.91 23 1976  0.59 15 1953  1.40 36 19 1956  1.40 36 19 1956  0.59 15 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  1.51 41 1956  1.51 38 1964  1.56 40 1961  1.56 40 1961  1.57 32 1962  2.82 72 1969  0.91 23 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  0.51 13 1976  |
| 0.22 6   | 0.22 6  | 0.22 6  | 0.22 6  | 1.15 29  | 1.15 29  | 1.56 40<br>1.94 49<br>1.94 49<br>1.27 32<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>0.46 12  | 1.44 37 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16   | 1.44 37 1969 INCHES INCHES INCHES INCHES In the state of  | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>1.61 41 1958<br>1.61 40 1961<br>1.51 38 1964<br>1.56 40 1961<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>1.87 47 1951<br>1.87 47 1951<br>1.87 32 1962<br>0.91 23 1976<br>0.51 13 1976<br>0.51 13 1976<br>0.51 136 35 1963<br>1.46 37 1963   | 1.44 37 1969<br>1.44 37 1969<br>0.75 19 1963<br>1.81 40 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1959<br>1.97 47 1951<br>1.27 32 1969<br>0.91 23 1976<br>0.51 13 1976<br>0.51 136 35 1963<br>1.46 37 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1960<br>1.51 38 1964<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.87 47 1951<br>1.27 32 1969<br>0.91 23 1976<br>0.51 136 37 1963<br>1.46 37 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.61 41 1958  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.61 41 1958  1.51 38 1960  1.51 38 1960  1.54 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 37 1963  0.51 13 1976  0.51 13 1976  0.59 15 1963  1.46 37 1963   | INCHES MM DATE INCHES  1.44 37 1969  1.44 37 1969  1.44 37 1969  1.81 46 1948  2.35 60 1951  2.42 61 1962  2.03 52 1962  1.61 41 1958  0.64 16 1970  1.51 38 1960  1.56 40 1961  2.29 58 1956  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.94 49 1955  1.95 37 1969  0.91 23 1976  0.51 13 1976  0.59 15 1963  1.46 37 1963  |
| 0.84 21<br>1.15 29<br>0.22 6   | 0.84 21<br>1.15 29<br>0.22 6  | 0.84 21<br>1.15 29<br>0.22 6  | 0.84 21<br>1.15 29<br>0.22 6  | 1.15 29  | 1.15 29  | 1.56 40<br>1.94 49<br>1.94 49<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.40 36   | 1.44 37 15 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.51 38 1960<br>1.51 38 1960<br>1.51 38 1956<br>1.94 49 1955<br>1.94 47 1951<br>1.27 32 1962<br>2.82 72 1969<br>0.51 13 1976<br>0.51 13 1976<br>1.46 37 1963   | 1.44 37 1969<br>1.44 37 1969<br>0.58 19 1963<br>1.81 46 1948<br>1.80 46 1948<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1960<br>1.51 38 1960<br>1.51 38 1960<br>1.51 38 1961<br>1.56 40 1961<br>1.57 32 1962<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 32 1962<br>0.91 23 1976<br>0.51 13 1976<br>0.51 136 35 1956   | 1.44 37 1969<br>1.44 37 1969<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1964<br>1.55 40 1961<br>1.56 40 1961<br>1.57 32 1969<br>0.51 13 1976<br>0.51 13 1976<br>1.40 36 1953<br>1.40 36 1953<br>1.40 36 1953   | 1.64 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1969<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 53 1964<br>1.51 38 1956<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1969<br>0.91 23 1976<br>0.51 13 1976<br>0.51 13 1976<br>1.40 36 1953<br>1.46 37 1963   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.42 61 1962  2.03 52 1962  1.61 41 1956  1.51 38 1964  1.51 38 1966  1.56 40 1961  1.57 32 1969  1.77 32 1969  1.94 49 1955  2.82 72 1969  0.91 23 1976  0.51 13 1976  1.40 36 1951  1.40 36 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.03 52 1962  2.03 52 1962  1.51 35 1960  1.51 38 1966  1.51 38 1966  1.57 32 1969  1.94 49 1955  1.94 49 1955  2.82 72 1969  0.91 23 1976  0.91 23 1976  0.51 13 1976  1.40 36 1963  |
| 0.84 21  | 0.84 21<br>1.15 29<br>0.22 6  | 0.84 21   | 0.84 21<br>1.15 29<br>0.22 0  | 0.84 21  | 1.15 29  | 1.56 40<br>1.94 49<br>1.94 49<br>1.27 32<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 35<br>1.46 35  | 1.44 37 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16   | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.45 1953   1.45 1963   1.45 1963   1.45 1964   1.45 1965   1.45 1965   1.45 1965   1.45 1965   1.45 1965   1.45 1965   1.45 1965   1.46 1963   1. | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 38 1964<br>1.51 38 1964<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1955<br>1.97 32 1969<br>0.91 23 1976<br>0.51 13 1976<br>1.46 37 1963   | 1.44 37 1969<br>0.56 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>2.35 60 1951<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1951<br>1.27 32 1969<br>1.27 32 1969<br>0.51 13 1976<br>1.40 35 15 1963  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1960<br>1.51 38 1964<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1955<br>1.94 49 1955<br>1.94 49 1955<br>1.94 49 1955<br>1.94 37 1951<br>1.40 36 1947<br>0.51 13 1976<br>1.40 36 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1976  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 39 1976  0.51 13 1976  1.40 36 1953  1.46 37 1963   | INCHES MM DATE INCHES  1.44 37 1969  1.44 37 1969  1.44 37 1969  1.81 46 1948  2.35 60 1951  2.42 61 1962  2.03 52 7962  1.51 38 1960  1.51 38 1960  1.51 38 1956  1.54 49 1955  1.94 47 1951  2.29 58 1956  1.94 47 1951  1.27 32 1976  0.91 23 1976  0.51 13 1976  1.40 36 1947  1.46 37 1963  |
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| 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 6   | 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 6  | 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 0  | 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.56 40<br>2.29 58<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13  | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.51 38 1<br>1.54 49 1<br>1.87 47 1<br>1.87 32 1<br>0.91 23 1<br>0.91 23 1  | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.51 1953   1.51 1963   1.51 1951   1.51 1951   1.51 1951   1.51 1951   1.51 1951   1.51 1951   1.51 1951   1.57 1952   1.57 1952   1. | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 64 1951<br>2.42 64 1962<br>1.61 41 1958<br>1.61 40 1960<br>1.51 38 1964<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1955<br>1.97 47 1951<br>1.27 32 1969<br>0.91 23 1976<br>0.51 13 1976   | 1.44 37 1969<br>0.56 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1951<br>1.27 32 1962<br>0.91 23 1976<br>0.51 13 1976   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1956<br>1.51 38 1964<br>1.51 38 1956<br>1.94 49 1955<br>1.94 49 1955<br>1.94 49 1955<br>1.97 47 1951<br>1.27 32 1969<br>0.91 23 1976<br>0.51 13 1976   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1976  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.54 49 1955  1.94 49 1955  1.97 47 1951  1.87 47 1951  1.87 47 1951  1.87 47 1951  1.87 47 1951  1.87 47 1951  1.87 47 1951  1.87 47 1951  1.87 47 1955  0.91 23 1976  0.51 13 1976  0.51 13 1976   | INCHES MM DATE INCHES  1.44 37 1969  1.44 37 1969  0.58 15 1963  1.81 46 1948  2.35 60 1951  2.42 61 1962  2.03 52 7962  1.51 38 1960  1.51 38 1960  1.56 40 1961  2.29 58 1956  1.94 49 1955  1.94 49 1955  1.94 47 1951  1.27 32 1969  0.91 23 1976  0.51 13 1976  0.59 15 1952  |
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| 1.36 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 6  | 1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.36 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.56 40<br>2.29 58<br>1.94 49<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36   | 1.44 37 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16   | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.81 40 1963   1.81 40 1963   1.81 40 1962   1.81 41 1958   1.81 41 1958   1.80 46 1960   1.80 46 1960   1.80 46 1960   1.80 46 1960   1.80 46 1960   1.87 32 1962   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.87 32 1969   1.40 36 1947   1.40 36 1947   1.40 36 1947   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 64 1962<br>2.42 64 1962<br>1.61 41 1958<br>1.51 38 1964<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1955<br>1.97 47 1951<br>1.27 32 1962<br>2.82 72 1969<br>1.27 32 1962<br>0.91 23 1976   | 1.44 37 1969<br>0.56 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1965<br>1.94 49 1955<br>1.97 32 1962<br>1.87 47 1951<br>1.27 32 1962<br>0.51 13 1976   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1964<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1955<br>1.97 47 1951<br>1.27 32 1962<br>0.91 23 1976<br>0.51 13 1976   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1976  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.57 47 1951  1.94 49 1955  1.97 47 1951  1.27 32 1976  0.91 23 1976  0.51 13 1976   | INCHES MM DATE INCHES  1.44 37 1969  0.58 19 1963  1.81 46 1948  1.80 46 1952  2.03 52 7962  1.51 38 1960  1.51 38 1960  1.51 38 1956  1.54 49 1955  1.94 49 1955  1.94 47 1951  1.27 32 1969  0.91 23 1976  0.51 13 1976  |
| 1.36 337<br>0.46 12<br>0.84 21<br>1.15 29<br>0.37 9  | 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.36 337<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13   | 1.44 37 15 10 0.58 15 19 10 10 10 10 10 10 10 10 10 10 10 10 10  | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.51 1953   1.51 1.81 46 1974   1.51 1952   1.51 1950   1.51 1950   1.51 1950   1.51 1950   1.51 1950   1.51 1950   1.57 1951   1.57 1 | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1951<br>2.42 61 1962<br>2.03 52 1964<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>2.29 58 1955<br>1.97 47 1951<br>1.27 32 1969<br>0.91 23 1976<br>1.40 36 1947   | 1.44 37 1969<br>1.44 37 1969<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1953<br>1.61 41 1958<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>1.27 32 1962<br>2.82 72 1969<br>1.27 32 1976<br>0.91 23 1976<br>1.40 36 1947   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.03 52 1962<br>1.51 38 1964<br>1.51 38 1966<br>1.56 40 1961<br>1.57 32 1969<br>1.87 47 1951<br>1.27 32 1969<br>0.91 23 1976<br>0.51 13 1976   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.03 52 1962  2.03 52 1962  1.61 41 1958  1.64 16 1970  1.51 38 1964  1.86 40 1961  1.87 47 1951  1.87 47 1951  1.27 32 1969  0.91 23 1976  0.91 23 1976   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  1.81 46 1948  1.80 46 1952  2.03 52 1962  1.61 41 1958  0.64 16 1960  1.51 38 1964  1.56 40 1961  1.56 40 1961  1.57 32 1962  2.82 72 1969  0.91 23 1976  0.91 23 1976  1.40 36 1976  |
| 0.59 15<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 6  | 1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 0.59 15<br>1.36 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21  | 1.56 40<br>2.29 58<br>1.94 49<br>1.27 47<br>1.27 32<br>2.82 72<br>0.91 23   | 1.44 37 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 41 1958<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.97 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>1.87 47 1951   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1976<br>2.42 61 1951<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1964<br>1.56 40 1961<br>1.56 40 1961<br>2.29 58 1956<br>1.97 47 1951<br>1.27 32 1962<br>2.82 72 1962<br>2.82 72 1963<br>0.91 23 1976   | 1.44 37 1969<br>0.56 19 1963<br>1.81 46 1963<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 40 1961<br>1.51 38 1964<br>1.51 38 1964<br>1.56 40 1961<br>1.56 40 1961<br>1.94 49 1955<br>1.97 47 1951<br>1.27 32 1962<br>0.91 23 1976   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1955<br>1.87 47 1951<br>1.27 32 1962<br>2.82 72 1969<br>0.91 23 1976   | GREATEST  INCHES MM DATE INCHES  1.44 37 1966  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.42 61 1962  2.42 61 1962  1.61 41 1956  1.51 38 1960  1.56 40 1961  1.56 40 1961  2.29 58 1956  1.94 49 1955  1.97 47 1951  1.27 32 1962  2.82 72 1969  0.91 23 1976   | INCHES MM DATE INCHES  1.44 37 1969  0.56 19 1963  1.81 46 1948  1.81 46 1948  2.42 61 1962  2.42 61 1962  2.03 52 1962  1.51 38 1960  1.51 38 1960  1.56 40 1961  2.29 58 1955  1.94 49 1955  1.97 47 1951  1.27 32 1969  0.91 23 1976  |
| 0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>1.15 29<br>0.22 6  | 0.59 15<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 0.59 15<br>1.36 37<br>0.46 12<br>0.84 21<br>1.15 29   | 0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 0.59 15<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21  | 1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23  | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.57 38 1<br>1.27 32 1<br>2.82 72 1<br>0.91 23 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1956<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>2.29 58 1955<br>1.27 32 1962<br>2.82 72 1969<br>0.91 23 1976   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1951<br>2.42 61 1952<br>2.03 52 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 47 1951<br>1.27 47 1951<br>1.27 32 1962<br>2.82 72 1969<br>0.91 23 1976   | 1.44 37 1969<br>1.44 37 1969<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1953<br>1.61 41 1958<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 38 1956<br>1.87 47 1951<br>1.87 47 1951<br>1.27 32 1976<br>0.91 23 1976   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.51 38 1960<br>1.51 38 1956<br>1.56 40 1951<br>1.57 47 1951<br>1.87 47 1951<br>1.87 47 1951<br>2.82 72 1969<br>0.91 23 1976   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  1.61 41 1958  1.51 38 1964  1.55 38 1964  1.56 40 1961  1.56 40 1961  1.57 32 1962  2.82 72 1969  0.91 23 1976  0.91 23 1976   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  1.81 46 1948  1.80 46 1952  2.03 52 1962  1.51 38 1966  1.56 40 1961  1.56 40 1961  1.56 40 1961  1.57 32 1962  2.29 58 1955  1.37 32 1962  2.82 72 1969  0.91 23 1976  |
| 1.40 36<br>0.59 15<br>1.36 37<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 6   | 1.40 36<br>0.59 15<br>1.36 37<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29   | 1.40 36<br>0.59 15<br>1.36 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.40 36<br>0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.40 36<br>0.59 15<br>1.36 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.40 36<br>0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21   | 1.56 40<br>2.29 58<br>1.94 49<br>1.27 47<br>2.82 72   | 1.44 37 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1955<br>1.87 47 1951<br>1.87 47 1951<br>2.82 72 1969   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1964<br>1.56 40 1961<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962<br>2.82 72 1969   | 1.44 37 1969<br>0.56 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1964<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1955<br>1.87 47 1951<br>1.27 32 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962<br>1.51 38 1960<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.87 47 1951<br>1.27 32 1969   | GREATEST  INCHES MM DATE INCHES  1.44 37 1966  0.58 15 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.51 38 1966  1.51 38 1966  1.56 40 1961  2.29 58 1956  1.87 47 1951  1.87 47 1951  2.82 72 1969  0.91 23 1976   | INCHES MM DATE INCHES  1.44 37 1969  0.56 15 1953  1.81 46 1948  1.81 46 1948  2.42 61 1962  2.42 61 1962  2.03 52 1962  1.51 38 1964  1.51 38 1960  1.56 40 1961  2.29 58 1955  1.87 47 1951  1.27 32 1962  2.82 72 1969  |
| 1.40<br>1.36<br>1.36<br>1.46<br>1.46<br>1.15<br>0.46<br>1.15<br>0.22<br>0.37   | 1.46 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.40<br>1.36<br>1.46<br>1.46<br>1.46<br>1.15<br>0.84<br>21<br>1.15<br>29  | 1.40 36<br>1.46 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.40 36 35 15 1.46 37 0.46 12 0.84 21 1.15 29  | 1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21  | 1.56 40<br>2.29 58<br>1.94 49<br>1.87 47<br>2.82 72<br>0.91 23  | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.57 38 1<br>1.27 32 1<br>0.91 23 1   | 1.44 37 1969 INCHES   1.44 37 1969   1.44 37 1969   1.51 1953   1.51 1.81 46 1974   1.51 2.42 61 1962   1.51 35 1960   1.51 38 1960   1.51 38 1960   1.56 40 1961   1.56 40 1961   1.56 40 1961   1.56 40 1961   1.57 32 1962   1.27 32 1962   1.27 32 1976   1.27 32 1976   1.27 32 1976   1.27 32 1976   1.27 32 1976   1.27 32 1976   1.51 23 | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1951<br>2.42 61 1952<br>2.03 52 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 38 1956<br>1.87 47 1951<br>1.27 32 1962<br>2.82 72 1969   | 1.44 37 1969<br>1.44 37 1969<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.58 33 1964<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.87 47 1951<br>1.27 32 1969<br>0.91 23 1976   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.03 52 1962<br>1.28 33 1964<br>1.51 38 1960<br>1.56 40 1951<br>1.57 49 1955<br>1.94 49 1955<br>1.97 47 1951<br>1.27 32 1969<br>2.82 72 1969   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.03 52 1962  2.03 52 1962  1.61 41 1958  1.61 40 1958  1.51 38 1964  1.56 40 1961  1.56 40 1961  1.57 32 1962  2.29 58 1955  1.37 32 1969  0.91 23 1976   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1976  2.03 52 1962  2.03 52 1962  1.51 38 1960  1.56 40 1961  1.56 40 1961  1.57 38 1955  1.94 49 1955  1.97 47 1951  1.27 32 1969  0.91 23 1976  |
| 1.40 36<br>0.59 15<br>1.36 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 0  | 1.40 36<br>0.59 15<br>1.36 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.40 36<br>0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.40 36<br>0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.40 36<br>0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21   | 1.40 36<br>0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21   | 1.56 40<br>2.29 58<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72  | 1.44 37 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.51 38 1960<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1955<br>1.87 47 1951<br>1.87 47 1951<br>2.82 72 1969   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 38 1964<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1955<br>1.87 47 1951<br>1.27 32 1969   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.64 61 1962<br>1.51 38 1964<br>1.51 38 1964<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1955<br>1.97 47 1951<br>1.27 32 1969   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.85 40 1951<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 38 1960<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 47 1951<br>1.87 47 1951<br>1.27 32 1969   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.51 41 1958  1.51 38 1956  1.56 40 1961  1.56 40 1961  1.56 40 1961  1.57 32 1969  2.82 72 1969   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.03 52 1962  1.61 41 1956  1.51 38 1956  1.56 40 1961  1.56 40 1961  2.29 58 1956  1.94 49 1955  1.94 47 1951  1.27 32 1969  |
| 0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.84 21<br>1.15 29<br>0.22 6   | 1.46 15<br>0.54 15<br>1.46 15<br>0.46 12<br>0.84 21<br>1.15 29  | 0.51 13<br>1.40 36<br>0.59 15<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 0.51 13<br>1.40 35<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21   | 0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21   | 1.56 40<br>2.29 58<br>1.94 49<br>1.87 47<br>1.27 32   | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 46 1<br>1.56 46 1<br>1.57 32 1<br>1.57 32 1<br>1.57 32 1   | 1.44 37 1969 INCHES 1.44 37 1969 INCHES 0.58 15 1963 Inches 1.81 46 1948 Inches 1.80 46 1951 Inches 1.28 35 1964 Inches 1.27 32 1962 Inches In | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.97 47 1951<br>1.87 47 1951<br>2.82 72 1969   | 1.44 37 1969<br>0.56 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.56 40 1961<br>2.29 58 1955<br>1.87 47 1951<br>1.27 32 1969   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.03 52 1962<br>1.51 38 1964<br>1.51 38 1960<br>1.56 40 1951<br>2.29 58 1955<br>1.94 47 1951<br>1.27 32 1969   | GREATEST  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1951  2.03 52 1962  2.03 52 1962  1.51 38 1960  1.56 40 1961  1.56 40 1961  1.56 40 1961  1.57 38 1965  1.58 72 1969  | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  1.81 46 1948  1.80 46 1952  2.03 52 1962  2.03 52 1962  1.51 38 1960  1.51 38 1960  1.56 40 1951  2.29 58 1955  1.94 49 1951  1.87 47 1951  1.87 47 1951  2.82 72 1969  |
| 0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.22 0  | 0.51 13<br>1.40 36<br>1.40 35<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 0.91 23<br>1.40 36<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29   | 0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21  | 1.56 40<br>2.29 58<br>1.94 49<br>1.87 47<br>2.82 72   | 1.44 37 15 15 16 15 16 16 16 16 16 16 16 16 16 16 16 16 16   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.51 38 1960<br>1.51 38 1956<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1955<br>1.87 47 1951<br>2.82 72 1969   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 38 1960<br>1.58 3 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1963<br>1.87 47 1951<br>1.27 32 1969  | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.64 61 1962<br>1.51 38 1964<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955<br>1.94 49 1955<br>1.87 47 1951<br>1.27 32 1962   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.85 40 1951<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.51 41 1958<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.51 41 1958  1.51 38 1956  1.56 40 1961  1.56 40 1961  1.56 40 1961  2.29 58 1955  1.94 49 1955  1.97 47 1951  1.27 32 1969   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.03 52 1962  1.61 41 1956  1.51 38 1956  1.56 40 1961  1.56 40 1961  2.29 58 1956  1.94 49 1955  1.94 49 1955  1.87 47 1951  |
| 0.91 23<br>0.51 13<br>1.40 36<br>1.36 37<br>1.46 12<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 0   | 0.51 23<br>0.51 13<br>1.40 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 0.91 23<br>0.51 13<br>1.40 36<br>1.36 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 0.91 23<br>0.51 13<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 0.91 23<br>0.51 13<br>1.40 36<br>1.36 37<br>1.46 37<br>0.46 12<br>0.84 21  | 1.56 40<br>2.29 58<br>1.94 49<br>1.87 47  | 1.44 37 1<br>0.75 19 15 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.57 34 1<br>1.57 32 1  | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1953<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.56 40 1961<br>1.57 32 1962   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.28 33 1964<br>1.51 38 1960<br>1.56 40 1951<br>1.56 40 1951<br>1.87 47 1951<br>1.27 32 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.55 40 1961<br>1.56 40 1961<br>1.57 47 1951<br>1.87 47 1951   | GREATEST  1.44 37 1969  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.42 61 1962  2.42 61 1962  2.03 52 1962  1.61 41 1956  1.51 38 1960  1.56 40 1961  1.56 40 1961  1.56 40 1961  1.57 32 1962  | INCHES MM DATE INCHES  1.44 37 1969  0.58 19 1953  0.75 19 1963  1.80 40 1976  2.03 52 1962  2.03 52 1962  1.51 38 1960  1.56 40 1961  1.56 40 1961  1.56 40 1961  1.57 32 1962  |
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| 1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.22 0  | 1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.36 35<br>1.46 15<br>0.46 12<br>0.84 21<br>1.15 29  | 1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.46 37<br>0.46 12<br>0.46 12<br>1.46 37   | 1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>1.46 37  | 1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>0.59 15<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21  | 1.56 40<br>2.29 58<br>1.94 49   | 1.44 37 1<br>1.81 46 15 15 1<br>2.35 60 1<br>2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.94 49 1  | 1.44 37 1969 INCHES 1.44 37 1969 INCHES 1.5 1963 INCHES 1.81 46 1948 INCHES 1.80 46 1951 INCHES 1.51 38 1960 INCHES 1.56 40 1951 INCHES | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1964<br>1.56 40 1961<br>1.56 40 1961<br>1.56 40 1961   | 1.44 37 1969<br>0.56 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1955   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1956<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956<br>1.94 49 1955   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1976  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1960  1.51 38 1950  1.51 38 1950  1.51 38 1950  1.51 38 1950   | INCHES MM DATE INCHES  1.44 37 1969  1.44 37 1969  1.44 37 1969  1.81 46 1948  2.35 60 1951  2.42 61 1962  2.03 52 7962  1.61 41 1958  0.64 16 1970  1.51 38 1960  1.56 40 1961  2.29 58 1956  |
| 2.82<br>2.82<br>2.82<br>2.82<br>0.91<br>1.40<br>1.40<br>1.46<br>1.46<br>1.46<br>1.46<br>1.15<br>0.84<br>0.22<br>0.37   | 2.82<br>2.82<br>2.82<br>2.82<br>2.82<br>1.24<br>1.36<br>1.36<br>1.36<br>1.46<br>1.36<br>1.46<br>1.36<br>1.46<br>1.36<br>1.46<br>1.46<br>1.36<br>1.46<br>1.46<br>1.36<br>1.36<br>1.36<br>1.36<br>1.36<br>1.36<br>1.36<br>1.3   | 1.27 32<br>2.82 72<br>2.82 72<br>0.91 13<br>1.40 36<br>1.46 37<br>0.46 12<br>0.84 12<br>1.15 29   | 2.82<br>2.82<br>2.82<br>2.82<br>0.91<br>1.40<br>1.40<br>1.46<br>1.46<br>1.46<br>1.46<br>1.15<br>0.84<br>21<br>1.15<br>0.22<br>0.22  | 2.82<br>2.82<br>2.82<br>2.82<br>2.93<br>1.40<br>1.40<br>1.36<br>1.36<br>1.46<br>1.46<br>1.46<br>1.15<br>1.15<br>1.15<br>1.15<br>1.15<br>1.15<br>1.15<br>1.1  | 1.27 32<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.46 12<br>1.46 37   | 2,29 58<br>1,94 49  | 1.44 37 1<br>1.81 46 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>2.03 52 3<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.51 38 1<br>1.51 38 1<br>1.51 38 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.51 38 1960<br>1.51 38 1956<br>1.56 40 1961<br>1.56 49 1955   | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 41 1956<br>1.51 38 1966<br>1.56 40 1961<br>1.56 49 1955   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1964<br>1.55 38 1956<br>1.56 40 1961<br>2.29 58 1955   | 1.64 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1964<br>1.51 38 1960<br>1.58 40 1961<br>1.56 40 1961<br>1.56 40 1961   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.42 61 1962  2.03 52 1962  2.03 52 1962  1.61 41 1956  1.28 33 1964  1.51 38 1956  1.56 40 1961  2.29 58 1955  1.94 49 1955   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.42 61 1962  2.03 52 1962  2.03 52 1960  1.28 53 1960  1.51 38 1960  1.56 40 1961  2.29 58 1955  1.94 49 1955  |
| 1.27 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.22 0   | 1.27 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.27 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.46 37<br>0.46 12<br>0.46 12<br>1.15 29   | 1.27 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 21   | 1.27 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 21   | 1.27 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21  | 2,29 58   | 1.44 37 1<br>0.75 19 15 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>2.03 52 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1   | 1.44 37 1969<br>0.58 15 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1956<br>1.51 38 1960<br>1.56 40 1961<br>1.56 40 1961<br>1.56 40 1961   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.58 33 1960<br>1.56 40 1961<br>1.56 40 1961<br>2.29 58 1960   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1964<br>1.51 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961<br>2.29 58 1956   | GREATEST  1.44 37 1969  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1956  2.03 52 1962  2.03 52 1962  1.51 38 1960  1.51 38 1960  1.56 40 1961  2.29 58 1956  | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  1.81 46 1948  1.80 46 1952  2.03 52 1962  2.03 52 1962  1.51 38 1966  1.51 38 1966  1.56 40 1961  1.56 40 1961  2.29 58 1955  |
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1.87<br>2.82<br>2.82<br>2.82<br>0.91<br>1.40<br>1.40<br>1.40<br>1.36<br>1.46<br>1.36<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40 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| 1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 15<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 21<br>1.15 29  | 1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.46 37<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29  | 1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 37<br>0.84 21<br>1.15 29  | 1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29  | 1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12   | 1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 35<br>1.46 37<br>0.46 12<br>0.84 21  | 1.56 40   | 1.44 37 1<br>0.75 15 15 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>2.03 52 1<br>1.61 41 1<br>1.51 38 1<br>1.56 46 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1956<br>1.51 38 1960<br>1.56 40 1961   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 40 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.28 33 1960<br>1.56 40 1961   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.56 40 1961   | 1.44 37 1969<br>0.58 15 1969<br>0.58 15 1969<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1960<br>1.56 40 1961   | GREATEST  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.42 61 1962  2.42 61 1962  2.03 52 1962  1.61 41 1958  1.51 38 1964  1.56 40 1961  | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.03 52 1962  1.61 41 1956  1.58 33 1964  1.51 38 1960  1.56 40 1961  |
| 1.27 29<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>0.84 21<br>1.15 29<br>0.22 0   | 1.94 49<br>1.87 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29  | 1.27 29<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12   | 1.27 29<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.94 49<br>1.87 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12   | 1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37   | 1.56 40   | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.61 41 1<br>1.51 33 1<br>1.51 33 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.56 40 1961   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.56 46 1960   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1950<br>1.58 33 1964<br>1.51 38 1960<br>1.56 46 1961   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.28 33 1964<br>1.51 38 1960<br>1.56 40 1961   | GREATEST  INCHES MM DATE INCHES  1.44 37 1966  0.58 15 1963  1.81 46 1948  1.80 40 1974  2.42 61 1962  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.61 41 1956  1.51 38 1960  1.56 40 1961   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.42 61 1962  2.03 52 1962  1.61 41 1958  1.61 41 1958  1.51 38 1960  1.51 36 40 1961   |
| 2.29 58<br>1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 15<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 6  | 2.29 58<br>1.94 49<br>1.87 47<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29  | 2.29 58<br>1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>1.46 37<br>0.59 15<br>1.46 37<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29  | 2.29 58<br>1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29   | 2.29 58<br>1.94 49<br>1.87 47<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 35<br>1.46 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12   | 2.29 58<br>1.94 49<br>1.87 47<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.36 37<br>0.46 12<br>0.84 21<br>1.15 29  | 100   | 1.44 37 1<br>0.75 19 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>2.03 52 1<br>1.61 41 1<br>1.51 38 1   | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1956<br>1.51 38 1960<br>1.51 38 1960   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 40 1948<br>1.80 40 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1964<br>1.51 38 1960   | 1.44 37 1969<br>1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.51 38 1960   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>0.64 16 1970<br>1.51 38 1964<br>1.51 38 1964   | GREATEST  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.03 52 1962  2.03 52 1962  1.51 38 1960  1.58 46 1960  | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.03 52 1962  1.61 41 1958  0.64 16 1970  1.28 33 1964  1.51 38 1960  |
| 1.27 449<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>0.52 0<br>0.46 12<br>0.46 12<br>0.52 0<br>0.52 0  | 1.94 49<br>1.94 49<br>1.87 47<br>1.87 47<br>1.40 36<br>1.46 37<br>0.51 13<br>0.646 12<br>0.84 21<br>1.15 29<br>0.22 6   | 1.27 447<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.46 37<br>1.46 37<br>0.84 21<br>0.84 21<br>0.84 21<br>0.84 21  | 1.27 449<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 15<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12  | 1.27 449<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.46 37<br>0.46 12<br>1.46 37<br>0.46 12  | 2.29 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.46 37<br>0.46 12<br>0.46 12<br>1.15 23  |   | 1.44 37 1<br>0.75 19 15 1<br>1.80 40 1<br>2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.51 38 1960<br>1.51 38 1960   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 46 1960<br>1.51 38 1960   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.28 33 1964<br>1.51 38 1960   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 41 1956<br>1.28 33 1964<br>1.51 38 1960   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  2.42 61 1962  1.61 41 1956  1.28 33 1964  1.51 38 1960  1.51 38 1960   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.80 40 1974 2.35 60 1951 2.42 61 1962 2.42 61 1962 2.42 61 1962 2.63 52 1962 1.61 41 1958 1.61 41 1958 1.61 41 1958 1.61 41 1958   |
| 1.56 40<br>1.94 49<br>1.94 49<br>1.27 2.82<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 37<br>1.15 29<br>0.22 0  | 1.56 49<br>1.94 49<br>1.87 47<br>1.87 47<br>1.87 47<br>1.87 47<br>1.80 36<br>1.46 37<br>0.51 13<br>0.546 12<br>0.84 21<br>1.15 29   | 1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>0.91 23<br>1.40 36<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37   | 1.56 49<br>1.94 49<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>0.84 21<br>1.46 37<br>0.84 21<br>1.15 29  | 1.56 40<br>1.87 47<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>0.46 15<br>1.46 37<br>1.46 37<br>1.46 37   | 1.56 40<br>1.94 49<br>1.94 49<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37   |   | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.28 33 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.28 33 1964   | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 41 1958<br>1.51 38 1964   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.28 33 1964   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  2.03 52 1962  1.61 41 1958  1.51 38 1964   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.80 40 1974 2.35 60 1951 2.42 61 1962 2.42 61 1962 2.42 61 1962 2.42 61 1962 1.61 41 1956 1.61 61 1956   |
| 1.80 46<br>1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12<br>0.22 0   | 1.80 46<br>1.56 40<br>1.99 49<br>1.87 47<br>1.87 47<br>1.27 32<br>2.82 72<br>2.82 72<br>0.91 23<br>1.46 37<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29  | 1.80 46<br>1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>0.54 12<br>0.84 21<br>1.46 37<br>0.84 21<br>0.84 21  | 1.80 46<br>1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29  | 1.80 46<br>1.56 40<br>1.99 49<br>1.87 47<br>1.27 32<br>2.82 72<br>2.82 72<br>0.91 23<br>1.40 35<br>1.46 37<br>0.46 12<br>0.46 12<br>0.46 12  | 1.80 46<br>1.56 40<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.46 37<br>0.46 15<br>0.84 21<br>1.15 29  | 77  | 1.44 37 1<br>0.75 19 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>2.03 52 1<br>1.61 41 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.03 52 1962<br>1.61 41 1958<br>1.28 33 1964   | 1.44 37 1969<br>0.56 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>0.64 16 1970   | 1.64 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.28 33 1964   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.80 46 1974 2.35 60 1951 2.42 61 1962 2.03 52 1962 1.61 41 1956   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1974  2.42 61 1962  2.03 52 1962  2.03 52 1962  1.61 41 1956  |
| 1.80<br>1.80<br>1.94<br>1.94<br>1.94<br>1.87<br>2.82<br>2.82<br>72<br>0.91<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.4  | 1.80 46<br>1.86 49<br>1.94 49<br>1.87 47<br>1.87 47<br>1.87 47<br>1.46 32<br>0.51 13<br>0.46 12<br>0.84 21<br>1.15 29<br>0.22 6   | 1.80 46<br>1.86 40<br>1.94 49<br>1.94 49<br>1.87 47<br>1.87 32<br>2.82 72<br>0.91 23<br>0.91 23<br>1.40 36<br>1.46 37<br>1.46 37<br>0.84 21<br>1.46 37<br>0.84 21   | 1.80 46<br>1.86 49<br>1.94 49<br>1.87 47<br>1.87 47<br>1.40 36<br>1.40 36<br>1.46 37<br>0.51 13<br>1.46 37<br>0.84 21<br>1.15 29  | 1.80<br>1.80<br>1.94<br>1.94<br>1.27<br>2.82<br>1.27<br>2.82<br>1.40<br>1.40<br>1.40<br>1.40<br>1.40<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46   | 1.80 46<br>1.86 49<br>1.94 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37   | 1601  | 1.44 37 1<br>0.56 15 19 1<br>1.80 46 1<br>2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 52 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958<br>1.28 33 1964   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958<br>1.61 41 1958   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  2.03 52 1962  1.61 41 1956  1.61 61 1962   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974 2.35 60 1951 2.42 61 1962 2.42 61 1962 2.42 61 1962 1.61 41 1958 1.61 41 1958   |
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1.51<br>1.80<br>1.56<br>2.29<br>2.29<br>1.94<br>1.94<br>1.27<br>2.82<br>2.82<br>2.82<br>2.82<br>2.82<br>72<br>0.91<br>1.40<br>1.50<br>1.46<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.54<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1. 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| 1.51 38<br>1.80 46<br>1.56 40<br>1.99 49<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.36 37<br>1.46 15<br>0.84 21<br>1.15 29   | 1,51 38   | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>2.03 52 5  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1956   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974 2.35 60 1951 2.42 61 1962 2.03 52 1962 2.03 52 1962 1.61 41 1956   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  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1.51<br>1.86<br>1.86<br>1.87<br>1.94<br>49<br>1.87<br>2.82<br>1.40<br>1.40<br>1.40<br>1.40<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.46<br>1.57<br>1.57<br>1.46<br>1.57<br>1.57<br>1.46<br>1.51<br>1.54<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1.55<br>1. 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        | 1.51 38<br>1.80 46<br>1.94 49<br>1.94 49<br>1.27 32<br>2.82 72<br>0.91 23<br>0.51 13<br>1.40 36<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.15 23   | 1.51 38   | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>1.80 46 1<br>2.35 60 1<br>2.42 61 1<br>1.61 41 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | GREATEST  INCHES MM DATE INCHES  1.44 37 1966  0.56 15 1953  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.03 52 1962  1.61 41 1956   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974 2.35 60 1951 2.42 61 1962 2.42 61 1962 2.42 61 1962 1.61 41 1956  |
| 1.28 38<br>1.51 38<br>1.56 40<br>2.29 58<br>1.94 49<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 12<br>0.46 12<br>0.46 12<br>0.22 0   | 1.28 33<br>1.51 38<br>1.56 40<br>1.96 40<br>1.97 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 35<br>1.46 37<br>0.46 12<br>0.84 21<br>1.15 29   | 1.28 38<br>1.51 38<br>1.56 46<br>1.96 49<br>1.99 58<br>1.27 47<br>1.27 32<br>0.91 23<br>0.51 13<br>1.46 37<br>0.56 15<br>0.56 15<br>0.56 15<br>0.56 15<br>0.57 15<br>0.58 15<br>0.51 13<br>0.59 15<br>0.59 1 | 1.28 33<br>1.51 38<br>1.56 40<br>2.29 58<br>1.94 49<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 12<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12<br>0.84 21<br>1.15 29  | 1.28 33<br>1.51 38<br>1.56 40<br>1.96 40<br>1.97 47<br>1.27 32<br>2.82 72<br>1.40 36<br>1.40 37<br>0.46 12<br>0.46 12<br>0.46 12<br>0.46 12  | 1.28 38<br>1.51 38<br>1.56 40<br>2.29 58<br>1.94 49<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>0.46 12<br>0.46 12<br>1.15 29  | 1.28 33   | 1.44 37 1<br>0.75 15 15 1<br>1.81 46 1<br>1.80 46 1<br>2.42 61 1<br>2.03 52 1<br>1.61 41 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.42 61 1962  2.42 61 1962  2.03 52 1962   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1948  1.80 46 1974  2.42 61 1962  2.42 61 1962  2.03 52 1962  |
| 1.28 33<br>1.51 38<br>1.51 38<br>1.56 40<br>1.94 49<br>1.94 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 37<br>1.15 29<br>0.22 0   | 1.28 33<br>1.51 38<br>1.51 38<br>1.56 40<br>1.87 47<br>1.87 47<br>1.87 47<br>1.87 32<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 37<br>1.46 37<br>1.56 21<br>1.56 22<br>1.56 37  | 1.28 33<br>1.51 38<br>1.51 38<br>1.56 40<br>1.94 47<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37  | 1.28 33<br>1.51 38<br>1.51 38<br>1.56 40<br>1.94 49<br>1.87 47<br>1.87 47<br>1.40 36<br>1.40 36<br>1.40 36<br>1.46 37<br>0.51 13<br>0.54 15<br>0.54 15<br>0.54 15<br>0.52 0.52 0  | 1.28 33<br>1.51 38<br>1.56 40<br>1.56 40<br>1.56 40<br>1.57 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>0.46 12<br>1.46 37  | 1.28 33<br>1.51 36<br>1.56 40<br>1.94 49<br>1.94 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37<br>1.46 37  | 1.28 33   | 1.44 37 1<br>0.58 15 19 1<br>1.80 46 1<br>2.35 60 1<br>2.42 61 1<br>1.61 41 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962   | GREATEST  INCHES MM DATE INCHES  1.44 37 1966  0.56 15 1963  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962  2.63 52 1962   | INCHES MM DATE INCHES 1.44 37 1966 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974 2.35 60 1951 2.42 61 1962 2.42 61 1962  |
| 1.28 33<br>1.51 38<br>1.51 38<br>1.56 40<br>1.96 40<br>1.97 47<br>1.27 32<br>2.82 72<br>2.82 72<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 37<br>1.15 29<br>0.22 0   | 1.28 33<br>1.51 38<br>1.51 38<br>1.56 40<br>1.94 49<br>1.87 47<br>1.87 18<br>1.87 18<br>1.87 18<br>1.87 18<br>1.87 18<br>1.87 18<br>1.87 18<br>1.86 1 | 1.28 33<br>1.51 38<br>1.51 38<br>1.56 46<br>1.96 49<br>1.87 47<br>1.87 47<br>1.87 49<br>1.87 47<br>1.87 47<br>1.87 47<br>1.87 47<br>1.87 47<br>1.87 47<br>1.87 47<br>1.87 49<br>1.87 47<br>1.87 47<br>1.40 36<br>1.40 36<br>1.46 37<br>1.46 3 | 1.28 33<br>1.51 38<br>1.51 38<br>1.56 40<br>1.99 49<br>1.87 47<br>1.87 18<br>1.87 1 | 1.28 33<br>1.51 38<br>1.51 38<br>1.56 40<br>1.94 49<br>1.94 49<br>1.87 47<br>1.87 47<br>1.87 32<br>1.80 36<br>1.40 36<br>1.40 37<br>1.46 37<br>1.46 37<br>1.46 37  | 1.28 33<br>1.51 38<br>1.56 40<br>1.56 40<br>1.99 49<br>1.87 47<br>1.27 32<br>2.82 72<br>0.91 23<br>1.40 36<br>1.46 37<br>0.46 15   | 1.51 38   | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>1.80 46 1<br>2.42 60 1<br>2.42 61 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962<br>2.42 61 1962<br>1.61 41 1958   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.60 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.60 46 1974 2.35 60 1951 2.42 61 1962 2.63 52 1962   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 46 1948  1.80 46 1974  2.35 60 1951  2.42 61 1962  2.03 52 1962  |
| 1.28 33 1<br>1.51 38 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1<br>0.52 6 1   | 1.28 33 1<br>1.80 40 1<br>1.80 40 1<br>1.80 40 1<br>1.80 40 1<br>1.87 47 1<br>1.80 36 15 1<br>1.40 37 1<br>0.46 12 1<br>0.46 12 1<br>1.46 37 1<br>0.46 21 1  | 1.28 33 1<br>1.56 46 1<br>1.56 46 1<br>1.56 40 1<br>1.56 49 1<br>1.57 32 1<br>2.82 72 1<br>0.91 23 1<br>1.40 36 15 1<br>1.46 37 1   | 1.28 33 1<br>1.51 38 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.27 47 1<br>1.27 47 1<br>1.27 32 1<br>2.82 72 1<br>1.40 36 15 1<br>1.46 37 1<br>1.56 37 1<br>1.56 37 1<br>1.56 37 1<br>1.56 37 1<br>1.56 37 1<br>1.57 37 1<br>1.58 37   | 1.28 33 1<br>1.51 38 13 1<br>1.50 46 1<br>1.56 40 1<br>1.94 49 1<br>1.94 49 1<br>1.27 32 1<br>2.82 72 1<br>0.91 23 1<br>0.91 23 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1<br>0.46 12 1   | 1.28 33 1<br>1.51 38 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.27 47 1<br>1.27 32 1<br>2.82 72 1<br>0.91 23 1<br>0.51 13 1<br>1.40 36 15 1<br>1.46 37 1   | 1,28 33 1<br>1,51 38 1  | 1.44 37 1<br>0.58 15 19 1<br>1.80 46 1<br>2.35 60 1<br>2.42 61 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.42 61 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.80 40 1974<br>2.35 60 1951<br>2.42 61 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 40 1974  2.35 60 1951  2.42 61 1962  2.42 61 1962   | INCHES MM DATE INCHES 1.44 37 1966 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974 2.35 60 1951 2.42 61 1962   |
| 1.28 33 1<br>1.51 38 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.96 12 1<br>1.96 15 1<br>1.40 36 15 1<br>1.46 37 12 1<br>0.84 21 1<br>1.15 29 15 1   | 1.28 33 1<br>1.51 38 1<br>1.51 38 1<br>1.50 40 1<br>1.50 40 1<br>1.94 49 1<br>1.94 49 1<br>1.94 47 1<br>1.87 32 1<br>1.88 37 1<br>1.96 37 1  | 1.28  | 1.28 33 1<br>1.51 38 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.96 32 1<br>0.91 23 1<br>0.91 23 1<br>1.40 36 15 1<br>1.46 37 12 1<br>0.59 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.15 29 1<br>0.84 21 1   | 1.51 38 15 1 15 1 15 1 15 1 15 1 15 1 15 1   | 1.28 33 1<br>1.51 38 1<br>1.51 38 1<br>1.56 46 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.87 47 1<br>1.87 32 1<br>1.40 36 1<br>1.40 37 1   | 1, 28 33 1  | 1.44 37 1<br>0.58 15 1<br>1.81 46 1<br>1.80 46 1<br>2.42 60 1<br>2.42 61 1   | 1.44 37 1969 INCHES OF 1.44 37 1969 INCHES OF 1.81 46 1948 INCHES OF 1.81 46 1974 INCHES OF 1.81 46 1974 INCHES OF 1.81 46 1962 INCHES OF 1.81 46 1962 INCHES INCHE | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962   | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962<br>2.03 52 1962   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951  2.42 61 1962  2.03 52 1962   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951  2.42 61 1962  2.03 52 1962  |
| 1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 12 13 1<br>1.40 36 15 1<br>1.46 37 1<br>0.84 21 1<br>1.15 29 1<br>0.84 21 1  | 1.61 41 1<br>1.28 73 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.87 47 1<br>1.86 37 15 1<br>1.40 36 15 1<br>0.46 12 1<br>0.46 12 1<br>0.46 12 1  | 1.61 41 1 1 28 3 1 1 1 1 2 8 3 1 1 1 2 8 3 1 1 1 2 8 1 1 1 2 9 1 2 1 1 2 9 1 1 1 2 9 1 1 1 2 9 1 1 1 2 9 1 1 1 1  | 1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.50 40 1<br>2.29 58 1<br>1.94 49 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 32 12 1<br>0.51 13 1<br>1.40 36 15 1<br>1.46 37 1<br>0.46 12 1<br>0.84 21 1  | 1.28 33 1<br>1.51 38 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.96 49 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 37 15 1<br>1.46 37 1<br>0.46 12 1  | 1.61 41 1<br>0.64 16 15 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.87 47 1<br>1.86 19 19 1<br>1.40 36 15 1   | 1.61 41 1<br>0.64 16 1<br>1.28 33 1<br>1.51 38 1  | 1.44 37 1<br>0.58 15 19 1<br>1.80 46 1<br>2.35 60 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1969<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.80 40 1974  2.35 60 1951  2.42 61 1962   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.80 40 1974 2.35 60 1951 2.42 61 1962  |
| 1.61 41 1<br>1.61 41 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.94 49 1<br>1.96 19 1<br>1.87 47 1<br>1.86 18 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1<br>1.15 29 1<br>1.15 0.51 1   | 1.61 41 1<br>1.61 41 1<br>1.51 38 1<br>1.80 46 1<br>1.96 40 1<br>1.96 40 1<br>1.97 47 1<br>1.87 32 1<br>1.87 37 1<br>1.87 37 1<br>1.80 0.91 23 1<br>1.96 12 12 1<br>1.96 12 12 1<br>1.96 12 12 1<br>1.96 1  | 1.61 41 1<br>1.28 33 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1  | 1.61 41 1<br>1.61 41 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.96 49 1<br>1.97 47 1<br>1.87 32 1<br>1.88 37 1<br>1.86 37 1  | 1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.50 40 1<br>1.50 40 1<br>1.96 40 1<br>1.96 40 1<br>1.96 49 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.80 38 1<br>1.40 36 15 1<br>1.46 37 1<br>0.46 12 1   | 1.61 41 1<br>1.61 41 1<br>1.28 33 1<br>1.96 40 1<br>2.29 58 1<br>1.96 49 1<br>1.96 49 1<br>1.96 49 1<br>1.96 32 1<br>1.87 47 1<br>1.86 32 15 1<br>1.40 36 15 1<br>1.46 37 1<br>1.47 1<br>1.47 1<br>1.48 37 1   | 1, 51 38 1  | 1.44 37 1<br>0.58 15 19 1<br>1.81 46 1<br>1.80 46 1<br>2.35 60 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.42 61 1962   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951<br>2.42 61 1962   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  0.75 19 1963  1.80 46 1974  2.35 60 1951  2.42 61 1962  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.60 46 1974<br>2.35 60 1951<br>2.42 61 1962   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974 2.35 60 1951 2.42 61 1962  | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951  2.42 61 1962  |
| 2.03 52 1<br>1.61 41 1<br>1.28 53 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.94 49 1<br>1.87 47 1<br>1.86 15 1<br>1.87 47 1<br>1.87 32 1   | 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  | 2.03 52 72 1 1.28 73 1 1 1.28 73 1 1 1.50 1  | 2.03 52 1<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1<br>1.51 38 1   | 1.44 37 1<br>0.75 15 15 1<br>1.81 46 1<br>1.80 46 1<br>2.35 60 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.60 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | GREATEST  INCHES MM DATE INCHES  1.44 37 1965  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951  |
| 2.03 52 3<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.87 47 1<br>1.88 47 1<br>1.80 36 15 1<br>1.46 35 15 1<br>1.46 37 1<br>0.52 0 15 1   | 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.50 40 1<br>1.50 40 1<br>1.94 49 1<br>1.94 49 1<br>1.96 12 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 1<br>0.46 12 1<br>0.46 12 1  | 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.82 40 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1  | 2.03 52 3<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.87 47 1<br>1.86 32 1<br>1.40 36 15 1<br>1.46 37 1<br>1.47 1<br>1.48 37 1  | 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.94 49 1<br>1.95 15 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 1<br>0.54 12 1  | 2.03 52 3<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.87 47 1<br>1.87 32 1<br>1.40 36 15 1<br>1.40 36 12 1<br>1.46 37 1<br>1.46 37 1<br>1.46 36 1<br>1.46 36 1<br>1.46 36 1<br>1.46 36 1<br>1.46 36 1<br>1.46 36 1<br>1.46 37 1<br>1.46 36 1<br>1.46 36 1<br>1.46 36 1<br>1.46 36 1<br>1.46 37 1<br>1.47 1<br>1.48 37  | 2.03 52 1<br>1.61 41 1<br>0.64 16 1<br>1.28 53 1  | 1.44 37 1<br>0.58 15 1<br>1.81 46 1<br>1.80 46 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 40 1974   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951   | INCHES MM DATE INCHES  1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974 2.35 60 1951   |
| 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.97 32 1<br>2.82 72 1<br>1.87 47 1<br>1.87 32 1<br>1.87 32 1<br>1.88 37 1<br>1.96 37 1<br>1.96 37 1<br>1.15 29 1<br>1.15 20 1   | 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 32 1<br>1.40 36 15 1<br>1.46 37 1<br>0.46 12 1<br>0.46 12 1  | 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.80 46 16 1<br>1.96 49 1<br>1.96 49 1<br>1.96 49 1<br>1.87 47 1<br>1.87 47 1<br>1.60 36 1<br>1.40 36 15 1<br>1.46 37 1<br>0.59 15 1<br>1.46 37 1<br>0.59 15 1<br>1.46 37 1<br>0.59 15 1   | 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.96 49 1<br>1.97 32 1<br>1.87 47 1<br>1.87 32 1<br>1.87 32 1<br>1.88 37 1<br>1.96 37 1  | 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.56 15 1<br>1.60 36 1<br>1.60 36 1<br>1.40 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.15 29 1   | 2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.94 49 1<br>1.97 32 1<br>2.82 72 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 12 1<br>0.51 136 35 1<br>1.46 37 1  | 2.03 52 1<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1  | 1.44 37 1<br>0.75 15 15 1<br>1.81 46 1<br>2.35 60 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.60 40 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.80 46 1974<br>2.35 60 1951   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  2.35 60 1951  |
| 2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.50 40 1<br>1.50 40 1<br>1.27 38 1<br>1.27 32 1<br>2.82 72 1<br>1.40 36 37 1<br>1.46 37 1<br>1.15 23 1<br>0.51 13 1<br>1.46 37 1<br>1.15 29 15 1  | 2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1<br>1.80 46 1<br>1.94 49 1<br>1.97 32 1<br>1.97 32 1<br>1.96 33 1<br>1.46 37 1<br>0.46 12 1<br>0.46 12 1  | 2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.57 32 1<br>1.60 47 1<br>1.60 40 1<br>1.60 40 1<br>1.60 40 1<br>1.60 36 1<br>1.40 36 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1   | 2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 15 1<br>1.46 37 1<br>1.47 37 37 37 37 37 37 37 37 37 37 37 37 37  | 2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.80 46 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.80 38 1<br>1.40 36 15 1<br>1.46 37 1<br>0.46 12 1   | 2.42 61 1<br>1.61 41 1<br>1.28 52 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.27 58 1<br>1.27 52 1<br>2.82 72 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 1  | 2,42 61 1<br>2,03 52 1<br>1,61 41 1<br>0,64 16 1<br>1,28 33 1<br>1,51 38 1  | 1.44 37 1<br>0.58 15 1<br>1.81 46 1<br>1.80 46 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 40 1948<br>1.80 40 1974   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948<br>1.60 46 1974   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974   |
| 2.42 61<br>1.61 41<br>1.51 38<br>1.58 49<br>1.94 49<br>1.94 49<br>1.94 49<br>1.94 49<br>1.94 49<br>1.96 15<br>1.60 38<br>1.40 36<br>1.40 36<br>1.40 36<br>1.40 36<br>1.40 36<br>1.40 37<br>1.51 12<br>1.46 12<br>1.46 37<br>1.15 29<br>1.51 12<br>1.60 37<br>1.00 37   | 2.42 61<br>1.61 41<br>1.61 41<br>1.51 38<br>1.80 46<br>1.94 49<br>1.96 40<br>1.87 47<br>1.87 82<br>1.86 12<br>1.86 12<br>1.87 82<br>1.87 8 | 2.42 61<br>1.61 41<br>1.61 41<br>1.51 38 1<br>1.94 49 1<br>1.87 47 1<br>1.87 32 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1  | 2.42 61<br>1.61 41<br>1.51 38<br>1.58 49<br>1.80 46<br>1.94 49<br>1.94 49<br>1.94 49<br>1.94 49<br>1.94 49<br>1.96 15<br>1.96 15<br>1.96 15<br>1.96 15<br>1.96 15<br>1.97 32<br>1.96 37<br>1.40 36<br>1.40 36<br>1.4  | 2.42 61 1<br>1.61 41 1<br>1.61 41 1<br>1.51 38 1<br>1.80 46 1<br>1.96 40 1<br>1.96 40 1<br>1.96 40 1<br>1.96 40 1<br>1.96 40 1<br>1.96 10 1<br>1.96 10 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 38 1<br>1.40 36 15 1<br>1.46 37 1<br>0.46 12 1   | 2.42 61 1<br>2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.94 49 1<br>1.96 40 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.96 38 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 12 1   | 2.42 61 1<br>2.03 52 5<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1   | 1.44 37 1<br>0.56 15 1<br>1.81 46 1  | 1.44 37 1969<br>0.56 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1969<br>1.81 46 1948   | INCHES MM DATE INCHES  1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  |
| 2.42 61 1<br>2.42 61 1<br>1.61 41 16 1<br>1.28 33 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.86 13 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 1<br>1.87 47 1<br>1.87 32 32 1<br>1.87 32 32 1<br>1.87 32 32 32 32 32 32 32 32 32 32 32 32 32  | 2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.80 46 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.96 33 1<br>1.96 37 1<br>0.91 23 1<br>0.91 23 1<br>1.96 37 1<br>0.96 12 1  | 2.42 61 1<br>2.03 52 1<br>1.61 41 1<br>1.28 33 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.94 49 1<br>1.94 49 1<br>1.96 12 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1  | 2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.86 13 13 1<br>1.87 47 1<br>1.87 47 1<br>1.86 13 13 1<br>1.87 47 1<br>1.87 32 1<br>1.87 32 1<br>1.87 32 1<br>1.87 32 1<br>1.87 32 1<br>1.87 32 1<br>1.80 36 1<br>1.80 36 1<br>1.80 36 1<br>1.80 36 1<br>1.80 37 1  | 2.42 61 1<br>2.63 52 1<br>1.61 41 1<br>1.28 73 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.96 15 15 1  | 2.42 61 1<br>2.42 61 1<br>1.61 41 16 1<br>1.28 73 1<br>1.80 46 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.86 19 19 1<br>1.87 47 1<br>1.87 32 1<br>1.87 32 1<br>1.86 18 18 18 18 18 18 18 18 18 18 18 18 18  | 2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1   | 1.44 37 1<br>0.58 15 1<br>0.75 19 1<br>1.81 46 1<br>1.80 46 1  | 1.44 37 1969 INCHES 0.58 15 1953 0.75 19 1963 1.81 46 1948 1.80 46 1974  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953 0.75 19 1963 1.81 46 1948   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  1.81 46 1948  1.80 46 1974  |
| 2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.94 49 1<br>1.87 47 1<br>1.27 32 1<br>2.82 72 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 12 1<br>1.46 37 1<br>0.52 6 1  | 2.42 60 1<br>2.42 61 1<br>0.64 16 1<br>1.28 33 1<br>1.80 46 1<br>1.80 46 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.96 40 1<br>1.96 40 1<br>1.96 40 1<br>1.96 49 1<br>1.96 49 1<br>1.96 49 1<br>1.40 36 15 1<br>0.51 12 1<br>0.59 15 15 1<br>1.46 37 1<br>0.46 12 1  | 2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.27 32 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1   | 2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.96 49 1<br>1.96 49 1<br>1.27 32 1<br>2.82 72 1<br>1.40 36 1<br>1.40 36 1<br>1.40 36 1<br>1.40 36 1<br>1.40 36 1<br>1.40 37 1<br>1.40 36 1<br>1.40 37 1<br>1.40 3  | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.40 38 1<br>1.40 36 15 1<br>1.46 37 1<br>0.84 21 1   | 2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.94 49 1<br>1.87 47 1<br>1.27 32 1<br>2.82 72 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 15 1  | 2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1   | 1.44 37 1<br>0.58 15 1<br>0.75 19 1<br>1.81 46 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | INCHES MM DATE INCHES 1 44 37 1969 0 58 15 1953 0 75 19 1963  | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  |
| 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.87 32 1<br>1.86 1<br>1.86 1<br>1.87 47 1<br>1.87 32 1<br>1.87 3   | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.51 33 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.57 32 1<br>1.87 47 1<br>1.88 1<br>1.88 1<br>1.88 1<br>1.88 1<br>1.88 1<br>1.89 1<br>1.80  | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.94 49 1<br>1.94 47 1<br>1.27 32 1<br>2.29 58 1<br>1.40 36 15 1<br>1.46 37 1   | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.80 40 1<br>1.80 40 1<br>1.94 49 1<br>1.87 47 1<br>1.86 15 18 1<br>0.91 23 1<br>0.91 23 1<br>1.46 37 1<br>1.46 37 1<br>1.15 29 15 1  | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.51 51 52 1<br>1.51 38 1<br>1.80 40 1<br>1.80 40 1<br>1.80 40 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.80 38 1<br>1.40 36 15 1<br>0.46 12 1  | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.80 46 1<br>1.86 40 1<br>2.29 58 1<br>1.87 47 1<br>1.86 15 15 1<br>1.40 36 15 1<br>1.46 37 15 1<br>1.46 37 15 1   | 2.35 60 1<br>2.03 52 1<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1   | 0.58 15 1<br>0.75 19 1<br>1.81 46 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  1.81 46 1948  |
| 2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.80 46 1<br>1.80 49 1<br>1.80 49 1<br>1.80 49 1<br>1.80 37 1<br>1.80 49 1<br>1.80 46 1<br>1.80 46 1<br>1.80 6.91 23 1<br>1.80 6.   | 2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.94 49 1<br>1.96 12 12 1<br>0.91 23 1<br>0.91 23 1<br>1.96 12 1<br>0.96 12 1<br>1.96 12 1<br>0.97 1<br>0.98 21 1<br>1.15 29 1<br>0.98 21 1   | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.53 52 3<br>1.54 49 1<br>1.87 47 1<br>1.80 46 1<br>1.87 47 1<br>1.80 46 1<br>1.80 46 1<br>1.80 46 1<br>1.80 46 1<br>1.80 46 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1   | 2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1<br>1.80 46 1<br>1.80 49 1<br>1.80 49 1<br>1.80 49 1<br>1.80 38 1<br>1.80 37 1<br>0.91 23 1<br>1.80 36 1<br>1.80 49 1<br>1.80 49 1<br>1.80 36 1<br>1.80 37 1<br>1.80 36 1<br>1.80 37 1<br>1.80 36 1<br>1.80 37 1<br>1.80 37 1<br>1.80 38 1<br>1.80 36 1  | 2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.86 40 1<br>1.87 47 1<br>1.87 47 1<br>1.86 40 1<br>1.94 49 1<br>1.96 49 1<br>1.96 15 35 1<br>1.96 15 1<br>1.96 1<br>1.96 15 1<br>1.96 1   | 2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 53 1<br>1.51 33 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.86 13 1<br>1.87 47 1<br>1.87 47 1<br>1.86 13 1<br>1.87 47 1<br>1.88 1<br>1   | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.51 38 1   | 1.44 37 1<br>0.58 15 1<br>0.75 19 1<br>1.81 46 1   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963<br>1.81 46 1948   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | GREATEST  INCHES MM DATE INCHES  1.44 37 1965  0.58 15 1953  0.75 19 1963  1.81 46 1948   | INCHES MM DATE INCHES  1.44 37 1965  0.58 15 1953  0.75 19 1963  1.81 46 1948  |
| 1.80 46 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.28 39 1<br>1.80 46 1<br>1.87 47 1<br>1.86 12 1<br>1.46 36 15 1<br>1.46 36 15 1<br>1.46 36 15 1<br>1.46 36 15 1<br>1.46 37 1  | 2.35 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.80 46 16 1<br>1.80 46 1<br>1.87 47 1<br>1.86 33 1<br>1.40 36 15 1<br>1.46 37 1<br>0.46 12 1<br>0.46 12 1   | 2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.24 41 1<br>1.51 38 1<br>1.56 40 1<br>2.82 73 1<br>1.27 32 1<br>1.27 32 1<br>1.27 32 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1   | 1.80 46 1<br>2.42 61 1<br>1.61 41 1<br>1.61 41 1<br>1.24 41 1<br>1.51 38 1<br>1.94 49 1<br>1.94 49 1<br>1.87 47 1<br>1.86 13 1<br>1.87 32 1<br>0.91 23 1<br>0.91 23 1<br>0.59 15 1<br>1.46 36 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 36 15 1<br>1.46 37 1<br>1.47 1<br>1.48 37   | 2.35 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.80 46 1<br>1.87 47 1<br>1.86 33 1<br>1.40 36 15 1<br>1.46 37 1<br>0.84 21 1   | 1.80 46 1<br>2.42 61 1<br>1.61 41 1<br>1.61 41 1<br>1.24 52 3<br>1.51 38 1<br>1.94 49 1<br>1.94 49 1<br>1.87 47 1<br>1.86 49 1<br>1.87 32 1<br>1.87 32 1<br>1.87 47 1<br>1.87 49 1<br>1.87 32 1<br>1.86 35 1<br>1.46 36 1<br>1.47 36 1<br>1.48 37 37 37 37 37 37 37 37 37 37 37 37 37  | 2.35 46 1<br>2.42 61 1<br>2.03 52 1<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1  | 0.75 19 1  | 1.44 37 1969<br>0.56 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  |
| 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.56 40 1<br>2.29 58 1<br>1.80 40 1<br>1.94 49 1<br>1.87 47 1<br>1.87 32 1<br>1.87 32 1<br>1.87 32 1<br>1.87 47 1<br>1.87 32 1<br>1.87 3   | 2.42 40 1<br>2.42 60 1<br>2.42 61 1<br>1.51 41 1<br>1.51 38 1<br>1.51 38 1<br>1.50 40 1<br>1.50 40 1<br>1.50 40 1<br>1.50 40 1<br>1.50 40 1<br>1.50 40 1<br>1.50 36 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.15 29 1<br>1.15 29 1<br>1.16 1<br>1.17 36 37 1<br>1.18 1<br>1  | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 52 1<br>1.28 33 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1  | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.80 40 1<br>1.80 40 1<br>1.80 40 1<br>1.80 40 1<br>1.80 40 1<br>1.80 23 1<br>1.80 40 1<br>1.80 1<br>1.80 40 1<br>1.80 0.91 23 1<br>1.40 36 1<br>1.40 37 1<br>1.40 37 1<br>1.40 37 1<br>1.15 29 1  | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 60 1<br>1.51 35 1<br>1.56 40 1<br>1.56 40 1<br>1.57 32 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 15 15 1<br>1.87 47 1<br>1.86 15 15 1<br>1.87 47 1<br>1.86 15 1<br>1.87 47 1<br>1.86 15 1<br>1.87 47 1<br>1.86 15 1<br>1.87 47 1<br>1.87 47 1<br>1.86 15 1<br>1.87 47 1<br>1.86 15 15 15 15 15 15 15 15 15 15 15 15 15   | 2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.87 32 1<br>1.86 37 1<br>1.46 37 1<br>1.47 37 37 37 37 37 37 37 37 37 37 37 37 37   | 2.35 40 1<br>2.42 60 1<br>2.03 52 9<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1  | 0.58 15 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1963<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1963   | 1.44 37 1969<br>0.58 15 1963   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1963  |
| 1.80 46 1<br>2.42 61 1<br>2.63 60 1<br>2.03 52 9<br>1.28 33 1<br>1.80 46 1<br>1.80 47 1<br>1.80 38 1<br>1.80 37 1<br>1.80 60 1   | 1.80 46 1<br>2.42 61 1<br>2.03 52 60 1<br>1.61 41 1<br>1.28 35 60 1<br>1.51 38 1<br>1.94 49 1<br>1.96 12 1<br>0.91 23 15 1<br>1.96 12 15 1<br>0.96 15 15 1<br>1.96 15 1<br>1.96 15 1<br>1.97 95 15 15 1  | 1.81<br>2.42<br>2.42<br>2.42<br>1.61<br>1.61<br>1.61<br>1.51<br>1.80<br>40<br>1.87<br>1.80<br>40<br>1.87<br>1.80<br>40<br>1.81<br>1.80<br>40<br>1.81<br>1.80<br>40<br>1.81<br>1.80<br>40<br>1.81<br>1.80<br>40<br>1.81<br>1.80<br>40<br>1.81<br>1.80<br>40<br>1.81<br>1.80<br>40<br>1.81<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.80<br>1.  | 1.80 46 1<br>2.42 61 1<br>2.42 61 1<br>2.03 52 9<br>1.28 33 1<br>1.80 46 1<br>1.80 49 1<br>1.80 49 1<br>1.80 46 1<br>1.80 46 1<br>1.80 64 16 1<br>1.80 46 1<br>1.80 64 16 1<br>1.80 60 1<br>1.80   | 1.80 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 35 60 1<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.80 46 1<br>1.40 36 1<br>1.40 36 1<br>1.46 37 1<br>1.46 37 1<br>1.15 29 1<br>1.15 0.56 1<br>1.1   | 1.81 40 1<br>2.42 61 1<br>2.03 52 1<br>1.61 41 1<br>1.28 53 1<br>1.80 46 1<br>1.80 38 1<br>1.80 36 1<br>1.80 46 1<br>1.80 46 1<br>1.80 36 1   | 2.42 60 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1   | 0.58 15 1  | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | 1.44 37 1969<br>0.58 15 1953<br>0.75 19 1963   | GREATEST  INCHES MM DATE INCHES  1.44 37 1965  0.58 15 1953  0.75 19 1963   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  0.75 19 1963  |
| 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.51 38 1<br>1.54 49 1<br>1.87 47 1<br>1.87 38 1<br>1.46 38 1<br>1.46 35 15 1<br>1.46 35 15 1<br>1.46 37 12 1  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.80 46 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.80 46 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 1<br>0.46 12 1  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.24 49 1<br>1.51 38 1<br>1.87 47 1<br>1.86 15 1<br>1.87 47 1<br>1.87 32 1<br>1.87 32 1<br>1.86 37 1  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.51 38 1<br>1.94 49 1<br>1.96 15 1<br>1.40 36 15 1<br>1.46 37 15 1<br>1.46 37 15 1<br>1.46 37 15 1<br>1.46 37 15 1  | 1.81 46 1<br>2.35 60 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1<br>1.80 46 16 1<br>1.87 47 1<br>1.94 49 1<br>1.96 40 1<br>1.96 16 1<br>1.96 16 1<br>1.96 33 1<br>1.40 36 15 1<br>1.46 37 1<br>0.84 21 1  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.51 41 1<br>1.51 38 1<br>1.51 38 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.94 32 1<br>1.40 36 1<br>1.40 36 1<br>1.40 36 1<br>1.40 36 1<br>1.40 36 1<br>1.40 36 1  | 1.81 46 1<br>2.35 60 1<br>2.42 61 1<br>2.03 52 1<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1   | 0.58 15 1  | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | INCHES MM DATE INCHES  1.44 37 1969 0.58 15 1953  | PRECIPITATION GREATEST INCHES MM DATE INCHES 1.44 37 1969 0.58 15 1953   |
| 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.94 49 1<br>1.96 46 1<br>1.97 32 1<br>1.96 49 1<br>1.96 15 1<br>1.97 32 1<br>1.96 37 1<br>1.15 38 1<br>1.16 38 1<br>1.16 38 1<br>1.17 36 37 1<br>1.18 37 37 1<br>1.18 38 1<br>1.18  | 1.81 46 1<br>2.35 60 1<br>2.35 60 1<br>1.80 46 1<br>1.51 38 1<br>1.51 38 1<br>1.80 46 1<br>1.94 49 1<br>1.94 49 1<br>1.96 40 1<br>1.96 12 1<br>1.96 12 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.15 29 1<br>1.46 37 1<br>1.15 29 1<br>1.15 29 1<br>1.16 1<br>1.16 1<br>1.17 36 37 1<br>1.18  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.94 49 1<br>1.94 47 1<br>1.94 47 1<br>1.94 49 1<br>1.94 49 1<br>1.94 49 1<br>1.96 15 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.15 29 15 1   | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.56 40 1<br>1.56 40 1<br>1.56 40 1<br>1.57 32 1<br>1.87 47 1<br>1.86 15 15 15 1<br>1.60 36 15 1<br>1.60 37 1<br>1.60 37 1<br>1.60 37 1<br>1.60 37 1<br>1.60 36 1<br>1.60 37 1<br>1.  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.85 40 1<br>1.28 33 1<br>1.86 40 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 49 1<br>1.87 47 1<br>1.86 18 38 1<br>1.87 47 1<br>1.86 18 18 18 18 18 18 18 18 18 18 18 18 18   | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>0.64 16 1<br>1.51 38 1<br>1.94 49 1<br>1.96 40 1<br>2.29 58 1<br>1.97 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 15 15 1<br>1.40 36 15 1<br>1.40 36 15 1<br>1.46 37 1<br>1.47 1<br>1.48 37 1<br>1.48  | 1.81 46 1<br>2.42 60 1<br>2.42 61 1<br>2.03 52 8<br>1.61 41 1<br>0.64 16 1<br>1.28 33 1   | 0.58 15 1  | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | GREATEST  INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953   | INCHES MM DATE INCHES  1.44 37 1969  0.58 15 1953  |
| 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>2.42 61 1<br>1.24 49 1<br>1.80 46 1<br>1.80 46 1<br>1.81 38 2<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 49 1<br>1.87 47 1<br>1.87 47 1<br>1.86 16 16 1<br>1.87 47 1<br>1.86 18 18 18 18 18 18 18 18 18 18 18 18 18  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 40 1<br>1.87 47 1<br>1.87 47 1<br>1.86 40 1<br>1.87 47 1<br>1.86 16 16 16 1<br>1.87 47 1<br>1.86 16 16 16 1<br>1.87 47 1<br>1.86 16 16 16 1<br>1.87 47 1<br>1.88 16 16 16 16 16 16 16 16 16 16 16 16 16   | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.57 32 1<br>1.50 40 1<br>1.51 38 1<br>1.51 38 1<br>1.50 40 1<br>1.51 38 1<br>1.51 38 1<br>1.50 15 15 15 10 15  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>2.42 61 1<br>1.24 49 1<br>1.80 46 1<br>1.80 46 1<br>1.81 38 1<br>1.87 47 1<br>1.87 47 1<br>1.87 47 1<br>1.86 49 1<br>1.87 47 1<br>1.87 47 1<br>1.86 18 38 1<br>1.87 47 1<br>1.86 18 18 18 1<br>1.86 18 18 18 18 18 1<br>1.87 47 1<br>1.86 18 18 18 18 18 18 18 18 18 18 18 18 18   | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 41 1<br>1.51 35 52 3<br>1.80 46 1<br>1.80 46 1<br>1.87 47 1<br>1.80 40 1<br>1.80 60 1<br>1.80  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>2.42 61 1<br>1.21 41 1<br>1.28 33 1<br>1.28 33 1<br>1.36 40 1<br>1.56 1<br>1.57 32 1<br>1.57 32 1<br>1.58 1   | 1.81 46 1<br>1.80 40 1<br>2.42 61 1<br>2.42 61 1<br>1.61 41 1<br>1.28 33 1  | 0.58 15 1  | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | 1.44 37 1969<br>0.58 15 1953   | GREATEST  INCHES MM DATE INCHES  1.44 37 1965  0.58 15 1953   | PRECIPITATION   GREATEST   INCHES   I |
| 1.81 46 1<br>2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.51 38 1<br>1.51 38 1<br>1.51 38 1<br>1.57 47 1<br>1.87 38 1<br>1.80 36 15 1<br>1.46 35 15 1<br>1.46 37 1<br>1.15 36 37 1<br>0.51 12 13 1<br>1.46 37 1<br>0.52 0 15 1  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>2.42 61 1<br>1.51 38 1<br>1.51 38 1<br>1.50 40 1<br>1.51 38 1<br>1.50 40 1<br>1.50 40 1<br>1.50 40 1<br>1.50 40 1<br>1.50 40 1<br>1.50 40 1<br>1.60 40 1  | 1.81 46 1<br>2.42 64 1<br>2.42 64 1<br>1.61 41 1<br>1.24 61 1<br>1.28 33 1<br>1.27 33 1<br>1.27 47 1<br>1.27 32 1<br>1.27 32 1<br>1.27 32 1<br>1.27 32 1<br>1.27 32 1<br>1.40 36 15 1<br>1.46 37 1<br>1.46 37 1   | 1.81 46 1<br>2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.61 49 1<br>1.61 49 1<br>1.61 38 1<br>1.61 38 1<br>1.60 39 1<br>1.60 30 30 30 1<br>1.60 30 30 30 1<br>1.60 30 30 30 30 30 30 30 30 30 30 30 30 30  | 1.81 46 1<br>2.42 61 1<br>2.42 61 1<br>2.42 61 1<br>1.61 46 1<br>1.51 38 1<br>1.87 47 1<br>1.80 46 1<br>1.40 36 15 1<br>1.46 37 1<br>0.54 12 1   | 1.81 46 1<br>2.42 60 1<br>2.42 61 1<br>1.61 41 1<br>1.61 41 1<br>1.61 41 1<br>1.61 41 1<br>1.61 41 1<br>1.61 41 1<br>1.61 49 1<br>1.87 47 1<br>1.87 38 1<br>1.40 36 1<br>1.40 36 1<br>1.40 36 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 37 1<br>1.46 36 1   | 2.35 60 1<br>2.42 61 1<br>2.42 61 1<br>2.03 52 1<br>1.61 41 1<br>1.28 33 1  | 1.44 37 1  | 1.44 37 1960   | 1.44 37 1969   | 1.44 37 1969   | 1.44 37 1969   | INCHES MM DATE INCHES   | GREATEST INCHES MM DATE INCHES 1.44 37 1969  |
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76 1957

3.98

15 16 17 18 19 20 21 22 23

14

1975

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41 1967

23 1970

21.5 16.0 1.10

24

25 26 27

41 1950

1.66

45 1964

1953

55 1961

33 1962

1.29

10

29.2 3.48 3.47

> 12 13

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1977

43

1.71

6

\* ALSO ON EARLIER YEARS T – TRACE, AN AMOUNT TOO SMALL TO MEASURE BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

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DIRNAVOCE ANMET - SMOS

0

101 1957

3.98

Monthly

0

1968

1.62

30 28

25 1960

0.88

1.37

#### PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Speeds are presented in knots, while directions are given in 16 When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is period. Every month of a year must have valid observations present before the ALL MONTHS value is selected A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. selected and printed. These values are then used to compute means and standard deviations for the entire Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in for that year. Means and standard deviations are computed when four or more values are present for any

specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders." NOTE: According to Cia

percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments Percentages are shown by both direction and speed, and in addition the mean Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a wind speed for each direction. of Beaufort classifications.

these data where light and variable winds are reported with no directions but with speeds given, the speeds A separate category is provided on the form for variable winds, which are reported in some data sources. will be summarized in the appropriate groups opposite the column headed VARBL.

- Three tables are prepared for all surface winds included, and for all years combined as follows:
- (1) Annual all hours combined
- (2) By month all hours combined
- (3) By month by standard 3-hour groups
- A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet. è

SURFACE WINDS

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DAILY PEAK GUSTS IN KNUTS

| YEAR  | JAN   | -      | FB.    | MAR.   | -           | APR. | MAY | -    | Z. | JU.  |        | AUG. | SEP.       | ŏ   | OCT. | NOV.   | DEC      |     | MONTHS | S  |
|-------|-------|--------|--------|--------|-------------|------|-----|------|----|------|--------|------|------------|-----|------|--------|----------|-----|--------|----|
| 4 4   |       |        |        |        |             |      |     |      |    |      |        |      |            |     |      |        |          |     |        |    |
| -     |       |        |        |        |             |      |     | 184  | 30 | 167  | 336    | 348  | eri<br>eri | 200 | 365E | . 42   | in co    | 04  |        |    |
| 8     | ESE 3 | 9      |        | SE     | 295E        | 26   | SSE | 3356 |    |      | I      | 1    | S          | 2   |      |        |          | m + |        |    |
| 0.    | SE    | SEX    |        | SE     | 32E         | 0    |     | OES  |    | -    | -      | 1    | •          | -   | 346  | ENE 80 | N.       | 30  | ENE    | 0  |
| 0     |       | ***    | 31     |        | 32          |      |     |      |    |      |        |      |            |     | 31   |        |          |     |        |    |
| -     |       | -      | 58     |        | 295E        | 3    | -   | 355E | M  | 141  | Z      | 55   |            | 20  | 375  |        |          | 36  |        |    |
| 2     |       | -      |        |        | 201         | 29   | -   | 32ES | 33 | 145  | 3455W  | 32   |            | 00  | 338  | w      | SE       | 67  | SE     | 0  |
| m     |       | -0     | 1      |        | 250         | 30   |     | 95E  | 10 |      | -      | 57   |            | 0   | 45E  |        | SE       | 37  | s      | 57 |
| 4     |       | =      |        | *2.1   | 30ESE       | 27   | -   | 30   |    |      | 355E   | 425  |            | 30  | 40E  |        | ZNE.     | 56  |        |    |
| 3     |       | 1      | 30     | 111    | 26 2        | 29   |     | 316  | 28 | 55   | 34     |      |            | -   | w    |        | 243      | 36  |        |    |
| 0     |       | 3      | 27     |        | 24.5        | 32   |     | 33E  | 27 | 5    | 30 SE  | 34   |            | 0   | 308  | SE 37  | ESE      | 04  | ESE    | 4  |
| 1     |       | 2      | € 32   | NE     | 445         | 7    |     | 265E | 43 | SE2  | NABE   | 38   |            | 3   | 74   |        | ESE      | 52  |        | 20 |
| 58    |       | -      | 32     | ENE    | 223         | 33   |     | 33ES | 3  | 10   | 42ESE  | 36   |            | N   | 356  |        | # N      | 27  | S      | 3  |
| •     |       | 2 E    |        | 35     | 2.7.2       | 38   | -   | 305  | 37 | 5    | 2855   | 36   |            | 3   | 42E  | u      | II.      | 37  | ENE    | 4  |
| 0     |       | 30     |        | SE SE  | 444         | -    |     | Z4EN | 27 | 43   | SSENE  | 37   |            | 10  | 33E  |        | ***      | *   | w      | 4  |
| -     |       | -      | NE 30  | ***    | 31ESE       | 32   |     | STES | 2  | 224  | 305SE  | 29   |            | 0   | 43   | w      |          | 30  | SSE    | 3  |
| 2     |       | 8      |        | SE     | -           | 39   |     | 308  | 26 | 2    | 355E   | 35   |            | -   | 40   | w      | ZZ       | 36  | 3      | 4  |
| •     |       | Z<br>8 |        | SE     |             | 82   | -   | SAGE | 26 | S    | +5E    | 92   |            | 0   | 33   |        | 2        | 52  | SE     | 10 |
| 4     |       | 8      |        |        | <b>68</b> 5 | 30   |     | SAES | 32 | 222  | 348    | 31   |            | *   | 388  |        | 42.5     | *   | ESE    | S  |
| 8     |       | 99     | media. | INE NE |             | 29   | -   | 28E  | 28 | 100  | 38ESE  | 26   |            | 0   | 78N  |        | <b>"</b> | 56  | SSE    | m. |
| 9     | ENE 3 | 31EN   | NE 31  | ENE S  | 29E         | 34   | 111 | 255€ | 3  | 5    | MNM62  | 36   | E SE 3     | 9   | 316  | 38     | 121      | 3.1 | w      | 38 |
| -     |       | 0      | 28     | ***    | 306         | 0    |     | 332  | 27 | 283  | 23E    | 27   |            | 0   | 375  |        | AR.      | 58  | K      | -3 |
| 69    |       | 0      | -      |        | SENN        | 8    |     | S4ES | 2  | SER. | 324    | 23   |            | 7   | 528  | w      |          | 26  | 3      | 2  |
| 0     |       | 0      |        | SE     | 28€         | 3    |     | 23ES | 23 | 2.53 | SOMN'S | 20   |            | -   | 235  |        | SE       | 36  | SE     | w  |
| 0     |       | 0      | 24.5   |        | 335         |      |     | 28E  | 4  | 3    | 28E    | 33   |            | 3   | 346  |        | 843      | 35  | w      | 4  |
| 1     |       | 5      |        | 35     | 3009        | 0    |     | 5412 | 31 | -    | 3023   | 27   |            | F   | 331  |        | 60       | 34  | 60     | -  |
| 2     |       | 3300   |        | 20     | 3208        | -    |     | 2710 | 29 | 52   | 5665   | 26   |            | -   | 290  |        | 60       | 56  | 25     | 4  |
| m     |       | 0      |        | 90     | 2810        | 9    |     | 2513 | 24 | -    | 3311   | 56   |            | 6   | 340  |        | 60       | 96  | 60     |    |
| 4     |       | 0      |        | 96     | 3009        | -    |     | 5063 | 28 | 0    | 3321   | 45   |            | 1   | 281  |        | 60       | 34  | 21     | 3  |
| MEAN  |       |        |        |        |             |      |     |      | 1  |      |        |      |            |     | - Se |        |          |     |        |    |
| S. D. |       |        |        |        |             |      |     |      |    |      |        |      |            |     |      |        |          | -   |        |    |
|       |       | -      |        |        |             |      |     |      |    |      |        | 1    |            | -   |      |        |          |     |        | ١  |

ACANA, GUAM

SURFACE WINDS

100 M

FROM DAILY OBSERVATIONS

DAILY PEAK GUSTS IN KNUTS

46-77

STATION NAME

AGANA, GUAH

41406 STATION

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YEARS

53.9 96 10545 17.341 MONTHS 02 30 30 4.802 4.616 2.67914.14713.697 5.009 6.776 5.471 9.630 6.26314.353 8.327 863 863 843 929 839 898 830 927 895 893 866 837 925 DEC. 3504 9065 NOV 3704 4002 OCT. 5725 SEP \$509 2626 2707 4020 3826 ĭ 3506 01 Š 2411 MAY 3202 APR 2706 2858 MAR 4206 3311 = 3400 Ž 000 MONTH TOTAL OBS. MEAN S. D. TEAR 75

NAVWEASERVCOM

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SURFACE WINDS

FROM DAILY OBSERVATIONS

/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH! 46-77

STATION NAME

ACANA, GUAM

| 45 E 25 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | YEAR  | JAN.   | FEB. | MAR. | APR. | MAY    | JON. | JUL. | AUG. | SEP.  | OCT.  | NON     | DEC. | MONTHS  |
|--|-------|--------|------|------|------|--------|------|------|------|-------|-------|---------|------|---------|
| E 25 0 E SE 31  NE 29  ENE 29  | 4.5   |        |      |      |      |        |      |      |      | 0     | 0     | c       | 0    | DAVS    |
| NE 29  NE 29  NE 29  ENE 29  E | 94    |        | 0    |      |      |        |      |      |      |       |       |         |      | MIND    |
| NE 29 NE 29 NE 29 NE 29 E 295E 54E 36H 295H 245H 35 ENE 25 E 26 ENE 29 ENE 29 E 25 E 25 E 25 E 25 E 25 E 26 E 27 E 26 E 29 E 29 E 29 E 29 E 29 E 20   | 47    |        |      |      |      |        |      |      |      |       |       |         |      | MIND    |
| NE 29  RE 29  ENE 20   | 69    |        |      |      |      |        |      |      |      |       |       |         |      | DAVS    |
| ENE 29  ENE 29  E 25  E 25  E 26  E 27  C 29  E 27  C 29  E 27  C 29  E 26  E 29  E 27  C 29  E 26  E 26  E 27  C 29  E 26  E 26  E 27  C 29  E 26  E 27  C 29  E 26  E 26  E 27  C 29  E 26  E 28  E 26  E 27  C 29  E 26  E 27  C 29  E 26  E 27  C 29  E 26  E 27  E 27  C 30  E 26  E 27  E 27  E 27  E 26  E 27  E  | 20    | 1      |      |      | N -  | SE 234 |      |      |      | 26 35 |       | ENE 25E |      | MIND    |
| 25 E 23 E 28 30 E 27   | 51    | ENE 29 |      |      |      |        |      |      |      |       |       |         |      | WIND    |
| 05 31 E 27 E 22 22 22 23 08 24 09 2925 23 26 26 26 26 26 26 26 26 26 26 26 26 26   | 54    |        |      |      |      |        |      |      |      |       |       |         |      | MINDS   |
| 05 31<br>08 24<br>08 24<br>1 9 1 1<br>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 35    |        |      |      |      |        |      |      | 273  |       | N     |         |      | DAYS    |
| 26 24  | 20    |        |      |      |      |        |      |      |      |       | 19 29 | 25 23   |      | N A A O |
| MEAN S. O.   | =     |        |      |      |      |        |      |      |      |       |       |         |      | WIND    |
| MEAN S. O.   |       |        |      |      |      |        |      |      |      |       |       |         |      |         |
| MEAN S. D.   |       |        |      |      |      |        |      |      |      |       |       |         |      |         |
| MEAN<br>S. D.  |       |        |      |      |      |        |      |      |      |       |       |         |      |         |
| MEAN S. D.   |       |        |      |      |      |        |      |      |      |       |       |         |      |         |
| S. D.  | MEAN  |        |      |      |      |        |      |      |      |       |       |         |      |         |
|  | S. D. |        |      |      |      |        |      |      |      |       |       |         |      |         |

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) NON THON YEARS 73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

| ESE 1.9 7.1 5.8 3.2 ESE 1.9 7.1 5.8 3.2 SE 1.9 6.6 6.6 SSW 6.6 6.6 WWWWWWWWWWWWWWWWWWWWWWWWWWWWWW | 1.9 7.1 5.8<br>1.9 7.1 5.8<br>1.9 1.9 1.9 | 1.9 7.1 5.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 | 1.9 7.1 5.8<br>1.9 7.1 5.8<br>1.9 6.1 6.0 | 1.9 7.1 5.8<br>1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 |
|---|---|---|---|--|
| 1.9   | 6.1                                       | 9. 9. 9.  | 9. 9. 9.                                  | 9. 9. 9.   |
| 9.  | 9.  | 9. 9.   | 9. 9. 9.                                  | 9. 9.  |
| 9. 9.   | 9. 9.                                     | 9. 9.   | 9. 9.                                     | 9. 9.  |
| ę.  | 0.  | 9.  | 9.  | 9.   |
|   |   | 9.  | ٠,  | ••   |
|   |   | ٥.  | ę.  | •.   |
|   |   | 9.  | 9.  | φ  |
|   |   | 9.  | 0.  | ç  |
|   | NA  |   |   |  |

DIRNAVOCEANMET SMOS

1259-92181

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1550

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41406 STATION

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155

TOTAL NUMBER OF OBSERVATIONS

0.4

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGANA, GUAM

41406 STATION

0

3332

0

YEARS

ALL WEATHER

HOURS (L.S.T.)

JAN 40

| SPEED<br>(KNTS) | 1.3       | 4.6       | 7 . 10    | 11 . 16 | 17 . 21   | 22 . 27   | 28 - 33   | 34 - 40   | 41 - 47   | 48 - 55   | %<br>AI   | *    | MEAN  |
|-----------------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|------|-------|
| DIR.            |           |           | ,         |         |           |           |           |           |           |           |           |      | SPEED |
| z               |           |           |           |         |           |           |           |           |           |           |           | •    | •     |
| W X             | 1.3       | 4.5       |           | 0.      | 9.        |           |           |           |           |           |           | 11.6 |       |
| ž               | 1.3       | 11.6      |           | 1.9     |           |           |           |           |           |           |           | 23.2 | •     |
| ENE             | 7.7       | 11.0      | 0.6       | 3.2     | 9.        |           |           |           |           |           |           | 31.6 | 6.    |
|                 | 2.5       | 3.2       | 6.7       | 1.9     |           |           |           |           |           |           |           | 17.4 | 1.    |
| ESE             | 9.        | 9.        | 1.3       |         |           |           |           |           |           |           |           | 5.6  | . 9   |
| 35              | 9.        | 1.3       | 0.        |         |           |           |           |           |           |           |           | 2.6  | *     |
| SSE             |           |           |           |         |           |           |           |           |           |           |           |      |       |
| s               |           | 9.        |           | 9.      |           |           |           |           |           |           |           | 1.3  | 8.    |
| SSW             |           |           |           |         |           |           |           |           |           |           |           |      |       |
| SW              |           |           |           |         |           |           |           |           |           |           |           |      |       |
| WSW             |           | 0.        |           |         |           |           |           |           |           |           |           | 9.   | 4.    |
| *               |           |           |           |         |           |           |           |           |           |           |           |      |       |
| WNW             |           |           |           |         |           |           |           |           |           |           |           |      |       |
| NA              |           |           |           |         |           |           |           |           |           |           |           |      |       |
| NNN             |           | 9.        |           | 9.      |           |           |           |           |           |           |           | 1.3  | 8     |
| VARBL           |           |           |           |         |           |           |           |           |           |           |           |      |       |
| CALM            | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | 7.1  |       |
|                 | 14.2      | 2 45      | 24.2      | 0       | -         |           |           |           |           |           |           | 0001 | *     |

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155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AGANA, GUAM

41406 STATION

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1550

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CLASS CONDITION ALL STATION NAME

NOURS (L.S.T.)

AN

| _           | :         | •    | 7 . 10    | 1 . 16    | 17 . 21 | 22 . 27 | 28 · 33 | 34 . 46   | 41 . 47 | 48 - 55   | %<br>AI   |       | MEAN<br>WIND<br>SPEED |
|-------------|-----------|------|-----------|-----------|---------|---------|---------|-----------|---------|-----------|-----------|-------|-----------------------|
| -           | 0.        | 9.   | 9.        | 1.9       |         |         |         |           |         |           |           | 3.9   | 6.3                   |
|             | 0.        | 3.2  | 3.9       | 1.3       |         |         |         |           |         |           |           | 0.6   | 7.4                   |
|             | 3.2       | 1.   | 10.3      | 0.        |         |         |         |           |         |           |           | 21.9  | 6.9                   |
|             | 5.8       | 14.2 | 11.6      | 4.5       | 0.      |         |         |           |         |           |           | 56.3  | 6.9                   |
|             | 5.6       | 6.9  | 4.8       | 1.3       |         |         |         |           |         |           |           | 18.7  | 6.9                   |
|             | 9.        | 9.   | 1.3       | 9.        |         |         |         |           |         |           |           | 3.5   | 7.2                   |
|             | 0.        |      |           |           |         |         |         |           |         |           |           | 9.    | 2.0                   |
|             |           | 9.   |           |           |         |         |         |           |         |           |           | 9.    | 4.0                   |
|             |           |      | 9.        |           |         |         |         |           |         |           |           | 9.    | 10.01                 |
|             | 9.        |      |           |           |         |         |         |           |         |           |           | 9.    | 1.0                   |
|             |           |      |           |           |         |         |         |           |         |           |           |       |                       |
|             | 9.        |      |           |           |         |         |         |           |         |           |           | 9.    | 2.0                   |
|             |           |      |           |           |         |         |         |           |         |           |           |       |                       |
|             | 9.        |      |           |           |         |         |         |           |         |           |           | 9.    | 2.0                   |
|             |           |      |           |           |         |         |         |           |         |           |           |       |                       |
|             | 9.        |      |           |           |         |         |         |           |         |           |           | 9.    | 3.0                   |
|             |           |      |           |           |         |         |         |           |         |           |           |       |                       |
| $\triangle$ | $\bigvee$ | X    | $\bigvee$ | $\bigvee$ | M       | X       | X       | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | 1.9   |                       |
| 1           | 16.8      | 33.5 | 36.8      | 10.3      | 9.      |         |         |           |         |           |           | 100.0 | 6.6                   |

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DIRNAVOCEANMET SMOS

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155

TOTAL NUMBER OF OBSERVATIONS

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

o E

SURFACE WINDS

YEARS 73-77 ALL MEATHER CONDITION STATION NAME

10 HOURS (L.S.T.)

MONTH

| SPEED<br>(KNTS)<br>DIR. | .:        | 9.+       | 7 - 10    | 91 . 11   | 17 . 21 | 22 - 27 | 28 - 33   | 34 . 46   | 41.4 | 48 - 55 | 8<br>8    | *     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|---------|---------|-----------|-----------|------|---------|-----------|-------|-----------------------|
| z                       | 9.        | 9.        | 1.3       | 9.        |         |         |           |           |      |         |           | 3.2   | 7.0                   |
| NN                      |           |           | 2.6       | 6.5       |         |         |           |           |      |         |           | 0.6   | 11.7                  |
| N.                      | •         | 9.        | 1.1       | 12.3      | 9.      |         |           |           |      |         |           | 21.3  | 11.1                  |
| ENE                     |           | 1.9       | 15.5      | 10.3      | 9.      |         |           |           |      |         |           | 28.4  | 10.2                  |
| w                       | 1.3       | e.        | 4.1       | 14.2      |         |         |           |           |      |         |           | 25.8  | 10.8                  |
| ESE                     |           | 0.        | 1.9       | 1.9       |         |         |           |           |      |         |           | 4.5   | 6.3                   |
| 35                      |           | 1.9       | 9.        | 0.        |         |         |           |           |      |         |           | 3.2   | 7.0                   |
| SSE                     |           |           |           |           |         |         |           |           |      |         |           |       |                       |
| S                       | 9.        |           | 9.        | 9.        |         |         |           |           |      |         |           | 1.9   | 7.3                   |
| SSW                     |           |           |           |           |         |         |           |           |      |         |           |       |                       |
| SW                      |           |           |           |           |         |         |           |           |      |         |           |       |                       |
| WSW                     |           |           |           |           |         |         |           |           |      |         |           |       |                       |
| *                       |           | 9.        | 9.        |           |         |         |           |           |      |         |           | 1.3   | 0.9                   |
| WNW                     |           |           |           |           |         |         |           |           |      |         |           |       |                       |
| ¥                       |           |           |           |           |         |         |           |           |      |         |           |       |                       |
| NNW                     |           | 1.3       |           |           |         |         |           |           |      |         |           | 1.3   | 5.0                   |
| VARBL                   |           |           |           |           |         |         |           |           |      |         |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | $\bigvee$ | $\bigvee$ | X    | X       | $\bigvee$ | 0.    |                       |
|                         | 3.2       | 4.8       | 0.04      | 47.1      | 1.      |         |           |           |      |         |           | 100.0 | 10.2                  |

DIRNAVOCEANMET SMOS

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ACANA, GUAM

41406 STATION SURFACE WINDS JAN 78

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER STATION NAME

CONDITION

YEARS

13 HOURS (L.S.T.)

MONTH

12.2 12.9 8.0 10.6 10.01 8.0 5.0 12.3 7.7 11.7 MEAN WIND SPEED 8.4 20.02 0 1.3 1.9 100.0 3.5 21.9 × 18 48 . 55 41 . 47 34 - 40 28 . 33 22 . 27 2.6 3.5 . 3.5 1.6 17 - 21 6.5 14.8 10.3 0.64 11 . 16 2.0 0.0 1.3 0. 1.3 34.8 • 0 7 - 10 0. 6.5 0. 0. 6.1 ·o. 9. 9. 1.3 SPEED (KNTS) DIR. VARBL N N N SSW WSW WWW N N CALM - 2 SSE \* S¥ \* s

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TOTAL NUMBER OF OBSERVATIONS

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SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ACANA, GUAM

41406 STATION

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TOTAL NUMBER OF OBSERVATIONS

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## SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGANA, GUAM

41406 STATION

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ALL MEATHER

YEARS

NOURS (L.S.T.)

ZV MONTH

CONDITION

| SPEED 1 · 3 4 · 6 7 DIR. | z                                       | NNE . O | E    |      | -    | ESE . 6 1.3 | St 1.3 .6 | SSE | v   | SSW  | SW WS | wsw | ۰.  | O. WWW | WN | O. WNN | VARBL | CALM      |
|--------------------------|---|---------|------|------|------|-------------|-----------|-----|-----|------|-------|-----|-----|--------|----|--------|-------|-----------|
| 7 . 10                   | 1.9                                     | 3.0     | 5.5  | 6.5  | 13.5 | 1.3         | 1.3       |     | 1.3 |      |       |     | ç.  | 9.     |    | 9.     |       | X         |
| . E                      | 5.6                                     | 3.2     | 1.6  | 14.8 | 17.4 | 5.6         |           |     |     | 9.   |       |     |     |        |    |        |       | X         |
| 17 - 21                  |   |         |      | 693  |      |             |           |     |     |      |       |     |     |        |    |        |       | X         |
| 22 - 27                  |   |         |      |      |      |             |           |     |     |      |       |     |     |        |    |        |       | X         |
| 28 · 33                  |   |         |      |      |      |             |           |     |     |      |       |     |     |        |    |        |       | X         |
| 34 . 40                  |   |         |      |      |      |             |           |     |     |      |       |     |     |        |    |        |       | X         |
| 4 . 4                    |   |         |      |      |      |             |           |     |     |      |       |     |     |        |    |        |       | $\bigvee$ |
| 8 . 55                   |   |         |      |      |      |             |           |     |     |      |       |     |     |        |    |        |       | X         |
| %<br>%                   |   |         |      |      |      |             |           |     |     |      |       |     |     |        |    |        |       | $\bigvee$ |
| ×                        | 4.5                                     | 7.7     | 1001 | 23.2 | 33.5 | 20          | 3.2       |     | 1.3 | 9.   |       |     | 1.3 |        |    | 1.3    |       | 0.        |
| MEAN<br>WIND<br>SPEED    | ======================================= | 10.3    | 11.5 | 12.  | 10.3 | 6.8         | 5.6       |     | 0.6 | 12.0 |       |     | 0.9 | 0.9    |    | 5.5    |       |           |

DIRNAVOCEANMET SMOS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

366

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGANA, CUAM

YEARS

ALL MEATHER

CONDITION

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

1.3 9.

4.5

1.3 3.2 2.5

5.2

0 0 0

1.3 0

0.0

0

9

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ESE 25 25

w)

4.5

16.1

5.2 1.9

1

19 HOURS (LST.)

MAN MONTH

9.5 8.2 5.3 7.3 5.0 0.9 3.5 6.0 MEAN WIND SPEED 3.2 3.2 1.3 2.6 100.0 3.5 × 12 48 - 55 41 - 47 34 - 40 28 . 33 22 - 27

155

TOTAL NUMBER OF OBSERVATIONS

12.3

38.7

34.8

11.0

0

9.

9.

1.3

WWW

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0)

VARBL

CALM

(-)

0

WSW WSW

SSW

1

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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41406 STATION

1

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17.0

1

22 HOURS (LS.T.)

NAU

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

AGANA, GUAM

41406

YEARS

6.5 16.0 0.6 7.2 7.1 3.0 3.0 9.0 6.7 MEAN WIND SPEED 9. 1.9 33.5 1.9 0 100.0 7.7 × 28 48 . 55 41 . 47 34 - 40 28 . 33 22 - 27 • 17 - 21 0.000 12.9 0 11 . 16 2.6 11.0 10.3 35.5 7 - 10 20204 00 28.4 4 . 6 7.1 1.3 14.8 0 ... WNW VARBL SPEED (KNTS) DIR. WSW WSW ¥ × Z Z Z SSW CALM 2 2 2 2 \* w

155

TOTAL NUMBER OF OBSERVATIONS

100

DIRNAVOCEANMET

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0 0

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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0

ALL HOURS (LS.T.)

Z A N

YEARS

73-77

STATION NAME

AGANA, GUAM

41406 STATION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL WEATHER

| MEAN<br>WIND<br>SPEED   | 9.1 | 6.8 | 8 .8 | 8.1  | 9.2  | 8.2 | 5.8 | 6.3 | 6.2 | 7.7 |     | 3.7 | 4.0 | 4.6 | 5.2 | 7.4 |       |      | 8.2   |
|-------------------------|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|------|-------|
| ,                       | 2.8 | 8.8 | 20.1 | 31.5 | 23.1 | 4.4 | 50  |     | 1.5 | .2  |     | .2  | 4.  | 4.  | 4.  | 0.  |       | 3.1  | 100.0 |
| %<br>AI                 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X    |       |
| 48 · 55                 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X    |       |
| 4 . 4                   |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X    |       |
| 34 - 40                 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X    |       |
| 28 - 33                 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X    |       |
| 22 - 27                 |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X    |       |
| 17 . 21                 |     | •   | 3.   | 00   |      |     |     |     |     |     |     |     |     |     |     |     |       | X    | 1.9   |
| 11 . 16                 | 1.0 | 2.7 | 5.5  | 7.1  | 7.5  | 7.7 | .2  |     | .2  | -:  |     |     |     |     |     | .2  |       | X    | 25.6  |
| 7 . 10                  | 1.0 | 3.3 | 8.1  | 11.5 | 6.8  | 6.1 | 0.  | 2.  |     | 1.  |     |     | .2  |     |     | .2  |       | X    | 36.5  |
| • •                     | 4.  | 2.2 | 4.8  | 8.0  | 4.8  | . 7 | er. | .3  | *.  |     |     | .2  | .2  | .2  | .2  | .3  |       | X    | 23.1  |
| · · ·                   | 6.  | s.  | 1.3  | 0.4  | 1.5  |     | 9.  |     | *.  | 7.  |     | -:  |     | .2  | .2  | .2  |       | X    | 6.6   |
| SPEED<br>(KNTS)<br>DIR. | z   | NNE | ¥    | ENE  |      | ESE | *   | 328 | 5   | SSW | AS. | WSW | *   | WWW | WW  | MNN | VARBL | CALM |       |

TOTAL NUMBER OF OBSERVATIONS

1240

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0.0

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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SURFACE WINDS

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01 HOURS (1.5.T.)

F E B

YEARS

73-77

STATION NAME

AGANA, GUAM

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER CONDITION

28 - 33

22 - 27

17 - 21

11 . 16

7 - 10

..

0-0

3.5

12.8

1.1

1.4

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ESE

0

35 SSE

2.8

12.1

5.3

3.5

0

Z Z Z

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0.4 6.5 8.3 8.5 6.5 4.3 MEAN WIND SPEED 25.5 2.8 22.0 1.4 1.4 2.1 100.0 4. 75 48 - 55 41 . 47 34 - 40

TOTAL NUMBER OF OBSERVATIONS

41.1

28.4

0

0

.

WSW

3

3×

SSW

80

0

\*N\* N N VARBL CALM 141

DIRNAVOCEANMET SMOS

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0

41406 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

8.8

MEAN WIND SPEED

×

28 . 33

22 . 27

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

2.8

6.6

7.8

- SS

SS SS

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4 0 8 0

4.3 7.1

4.3 2.1 2.1

N N N

z

7.0

2.8 15.6 19.9 27.0 25.5

6.1

8.0

2.1

0.9

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SURFACE WINDS

2

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGANA, GUAM

YEARS

ALL WEATHER

CONDITION

t

NOURS (L.S.T.)

F E B

12 48 - 55 41 - 47 34 - 40

388

7.0

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TOTAL NUMBER OF OBSERVATIONS

6.5

100.0

5.0

141

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DIRNAVOCEANMET SMOS

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0

41406 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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WSW

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NW NAW

CALM

0

30.5 15.6

31.9

17.0

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SURFACE WINDS

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HOURS CLST.

MONTH OF

YEARS

73-77

STATION NAME

AGANA, GUAM

1

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONDITION

ALL WEATHER

| 1.3       | 6 7 . 10          | 1 · 16 | 17 - 21 | 22 - 27   | 28 - 33   | 34 - 40   | 41 . 47   | 48 - 55 | VI<br>85  | *     |   |
|-----------|-------------------|--------|---------|-----------|-----------|-----------|-----------|---------|-----------|-------|---|
|           | 7.                | 2.1    |         |           |           |           |           |         |           | 3.5   | 5 |
| 5.0 5.    | 5.0 7.1           | 1.4    |         |           |           |           |           |         |           | 18.4  | 4 |
| 2.8 6.    | 6.4 6.4           | 2.1    |         |           |           |           |           |         |           | 17.   | - |
| 2.1 11.3  |                   | 2.8    |         |           |           |           |           |         |           | 27.7  | - |
| 1.4 7.    | 12.8              | 2.1    |         |           |           |           |           |         |           | 24.1  | 4 |
|           | 1.                | 2.1    |         |           |           |           |           |         |           | 2.0   | 0 |
|           | ۲.                |        |         |           |           |           |           |         |           | •     | - |
|           |                   |        |         |           |           |           |           |         |           | •     | - |
|           |                   |        |         |           |           |           |           |         |           |       |   |
|           |                   |        |         |           |           |           |           |         |           |       |   |
|           |                   |        |         |           |           |           |           |         |           |       |   |
|           |                   |        |         |           |           |           |           |         |           |       |   |
|           | .7                |        |         |           |           |           |           |         |           | •     |   |
|           |                   |        |         |           |           |           |           |         |           |       |   |
|           |                   |        |         |           |           |           |           |         |           |       |   |
|           |                   |        |         |           |           |           |           |         |           |       |   |
|           |                   |        |         |           |           |           |           |         |           |       |   |
| $\bigvee$ | $\langle \rangle$ | X      | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | 1.4   | + |
| 12 1 34 0 | 7.08 0            | 12 8   |         |           |           |           |           |         |           | 100 0 | - |

TOTAL NUMBER OF OBSERVATIONS

141

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DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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5702 SURFACE WINDS JAN 78

NOURS (L.S.T.) F E B YEARS 73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

9.4

| 2.1<br>5.0<br>6.4<br>7.1<br>10.6<br>9.2<br>12.1<br>7.1<br>1.4<br>1.4<br>1.4<br>1.4<br>1.4<br>1.4<br>1.4<br>1 | SPEED<br>(KNTS)<br>DIR. | 1:3 | •         | 7 . 10    | 9 .       | 17 - 21   | 22 . 27   | 28 · 33   | 34 . 45   | 41.4      | 48 - 55   | 8<br>Al   | *     | MEAN<br>WIND<br>SPEED |
|--|-------------------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| 5.0 6.4<br>7.1 10.6<br>2.1 7.1 20.6<br>7. 7.1 1.4 1.4<br>1.4 1.4 1.4<br>7. 7. 7. 1.4 1.4                     | z                       |     | 2.1       | 2.1       |           |           |           |           |           |           |           |           | 3.0   | 8.3                   |
| 7. 7.1 10.6  | Z.                      |     |           | 5.0       | 4.9       |           |           |           |           |           |           |           | 12.1  | 12.1                  |
| 7. 7. 12.1 20.6 7. 7. 7. 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.  | Z.                      |     | 1.        | 7.1       | 10.6      |           |           |           |           |           |           |           | 18.4  | 11.8                  |
| 7. 7. 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.   | N.                      |     | 2.1       | 9.2       | 15.1      | 1.4       |           |           |           |           |           |           | 54.8  | 11.1                  |
|  |                         |     | 2.1       | 7.1       | 20.6      |           |           |           |           |           |           |           | 30.5  | 11.4                  |
| 7.   | ESE                     |     |           | 1.4       | 1.4       |           |           |           |           |           |           |           | 4.3   | 0.6                   |
| 7.   | 35                      |     |           |           | 1.4       |           |           |           |           |           |           |           | 2.1   | 10.0                  |
| 7.   | SSE                     |     |           |           |           |           |           |           |           |           |           |           |       |                       |
|  | 8                       |     |           |           |           |           |           |           |           |           |           |           |       |                       |
|  | NS.                     |     |           |           |           |           |           |           |           |           |           |           |       |                       |
|  | SW.                     |     |           |           |           |           |           |           |           |           |           |           |       |                       |
|  | WS/                     |     |           |           |           |           |           |           |           |           |           |           |       |                       |
|  | *                       |     |           |           |           |           |           |           |           |           |           |           |       |                       |
|  | WW                      |     |           | .7        |           |           |           |           |           |           |           |           |       | 10.0                  |
|  | *                       |     |           | .7        |           |           |           |           |           |           |           |           |       | 0.8                   |
|  | WW                      |     |           | 2.        |           |           |           |           |           |           |           |           |       | 8.0                   |
|  | 1881                    |     |           |           |           |           |           |           |           |           |           |           |       |                       |
| 2, 0 63  | ALM                     | X   | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ |       |                       |
| 34.0 33.6  |                         | 1.4 | 8.5       | 34.0      | 53.2      | 2.1       |           | 7         |           |           |           |           | 100.0 | 11.1                  |

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141

TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406

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13 HOURS (L.S.T.)

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AGANA, GUAM

41406

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(FROM HOURLY OBSERVATIONS)

YEARS 73-77 MEATHER CLASS CONDITION ALL STATION NAME

12.1 12.6 7.0 8.0 0.0 12.0 10.0 100.0 12.0 12.1 MEAN WIND SPEED 5.7 13.5 15.6 22.7 29.8 2.1 0 2.1 12 48 - 55 41 . 47 34 - 40 28 . 33 . 22 . 27 1.4 . 7 2.8 4.0 . 17 - 21 4 60 80 15.6 5.0 17:1 58.9 11 - 16 1.9 3.5 8.5 9.0 7.4 29.1 5.7 7 - 10 . 4.3 7.4 • 1.3 NW VARBL Z Z Z WSW WNW CALM SSW ESE SW SSE \* S w

TOTAL NUMBER OF OBSERVATIONS

141

1

DIRNAVOCEANMET SMOS

0

11.6

4.9

MEAN WIND SPEED

128

48 - 55

41 - 47

34 . 40

28 . 33

22 . 27

17 - 21

11 . 16

7 . 10

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7.1

4 10

Z Z

4.

12.1

7.1

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5.7

14.2

8.5

1.4

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0.0

WSW WSW

SSW

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WWW NN N VARBL CALM

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

ALL NEATHER

NOURS (LS.T.)

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100.0

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11.0

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12.0

1.4

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3.5

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1.4

11.9

12.2

12.1

12.1

2.0

58.9

31.2

3.5

0

11.8

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141

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TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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41406

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AGANA, GUAM

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AGANA, GUAN

41406 STATION

0

| FEB   | MONTH        | 19         | HOURS (L.S.T.) |           |
|-------|--------------|------------|----------------|-----------|
| 73-77 | YEARS        | ALL EMATER | CLASS          | COMBITION |
| SUAM  | STATION NAME |            |                |           |

| SPEED<br>(KNTS)<br>DIR. | :         | •         | 7 . 10    | . E       | 17 - 21   | 22 · 27   | 28 · 33   | 34 · 40   | 41 . 47   | 48 - 55   | %<br>AI   |       | *   |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----|
| z                       | 1.        | 1.4       | 1.4       | 1.4       |           |           |           |           |           |           |           | er:   | 9.0 |
| WXX                     | 1.4       | 2.8       | 4.3       | 3.5       |           |           |           |           |           |           |           | 12.   | -   |
| ¥                       | 1.4       | 8.5       | 9.2       |           | . 7       |           |           |           |           |           |           | 20.6  | 0   |
| ENE                     | 1.4       | 14.2      | 14.9      | 4.3       |           |           |           |           |           |           |           | 34.8  | 00  |
|                         | 2.1       | 5.7       | 5.7       | 5.7       |           |           |           |           |           |           |           | 19.1  | -   |
| ESE                     |           |           | 1.4       | .7        |           |           |           |           |           |           |           | 2.    |     |
| 35                      |           | ۲.        |           |           |           |           |           |           |           |           |           | •     | -   |
| SSE                     |           |           | .7        |           |           |           |           |           |           |           |           | -1    | 4.  |
| s                       |           |           |           |           |           |           |           |           |           |           |           |       |     |
| SSW                     |           |           |           |           |           |           |           |           |           |           |           |       |     |
| SW                      |           |           |           |           |           |           |           |           |           |           |           |       |     |
| WSW                     |           |           |           |           |           |           |           |           |           |           |           |       |     |
| *                       |           |           |           |           |           |           |           |           |           |           |           |       |     |
| WNW                     |           |           |           |           |           |           |           |           |           |           |           |       |     |
| ¥                       |           |           | 1.4       |           |           |           |           |           |           |           |           | 2.1   | -   |
| MNN                     |           |           | .7        |           |           |           |           |           |           |           |           | 1.4   | 4   |
| VARBL                   |           |           |           |           |           |           |           |           |           |           |           |       |     |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | •     | -   |
|                         | 7.8       | 34.8      | 39.7      | 16.3      | .7        |           |           |           |           |           |           | 100.0 | 0   |

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

TOTAL NUMBER OF OBSERVATIONS

0

0

0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

8000

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22 HOURS (LS.T.)

FEB

YEARS

73-77

ALL WEATHER

STATION NAME

AGANA, GUAM

CONDITION

8.4 7.5 7.0 7.5 6.3 0.9 7.2 MEAN WIND SPEED 31.2 12.8 1.4 1.4 2.8 100.0 . × 12 48 . 55 41 - 47 34 - 40 28 . 33 22 - 27 1. . 17 - 21 1. 14.9 11 . 16 9.6 5.7 1.4 34.8 7 - 10 3.5 7.8 17.0 37.6 7.1 4.6 4.3 8.5 .. SSW \* WW WSW N N VARBL CALM Z Z Z 2 2 2 ×S. •

DIRNAVOCEANMET SMOS

41406 STATION

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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95

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL MEATHER

73-77

STATION NAME

AGANA, GUAM

ALL HOURS (LS.T.)

E STA

YEARS

COMBITION

| z Z Z | ÷:  | • • •     | 7 . 10    | 1 . 16    | 17 . 21 | 22 . 27 | 28 · 33   | 34 . 40   | 41 . 47   | 48 - 55 | 11 38     | *            | MEAN<br>WIND<br>SPEED |
|-------|-----|-----------|-----------|-----------|---------|---------|-----------|-----------|-----------|---------|-----------|--------------|-----------------------|
| Z Z   | 2.  | 6.        | 1.2       | 1.9       | •       |         |           |           |           |         |           | 4.3          | 9.8                   |
| Z.    | 5.6 | 2.7       | 4.3       | 4.2       | 5.      |         |           |           |           |         |           | 14.1         | 8.2                   |
|       | 5.4 | 4.5       | 6.9       | 2.5       | CFIs.   | -       |           |           |           |         |           | 19.3         | 8.5                   |
| ENE   | 1.3 | 8.4       | 9.8       | 7.6       | 5.      |         |           |           |           |         |           | 27.6         | 8.4                   |
|       | 1.2 | 5.0       | 4.6       | 6.6       | 0.      |         |           |           |           |         |           | 25.7         | 9.5                   |
| ESE   | .3  | 4.        | 1.1       | 1.6       |         |         |           |           |           |         |           | 3.4          | 4.6                   |
| SE    |     | 4.        | 4.        | . 3       |         |         |           |           |           |         |           | 1.1          | 8.6                   |
| SSE   |     | . 3       | 1.        |           |         |         |           |           |           |         |           | 1.0          | 7.5                   |
| 5     |     |           |           |           |         |         |           |           |           |         |           |              |                       |
| SSW   |     |           |           |           |         |         |           |           |           |         |           |              |                       |
| SW    |     |           |           |           |         |         |           |           |           |         |           |              |                       |
| WSW   |     |           |           |           |         |         |           |           |           |         |           |              |                       |
| *     | -:  | .2        |           |           |         |         |           |           |           |         |           | •            | 4.                    |
| WWW   |     |           | . 2       |           |         |         |           |           |           |         |           | .2           | 8.5                   |
| ¥     | -:  |           |           | 2.        |         |         |           |           |           |         |           | <b>&amp;</b> | 0.6                   |
| NNN   | .2  | 7.        | 4.        | -:        |         |         |           |           |           |         |           | 6.           | 7.2                   |
| VARBL |     |           |           |           |         |         |           |           |           |         |           |              |                       |
| CALM  | X   | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | 1.5          |                       |
|       | 8.3 | 22.9      | 35.0      | 30.2      | 2.0     |         |           |           |           |         |           | 100.0        | 8.7                   |

Q 1128

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

0 NO

41406 STATION

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

9 2

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

WEATHER CLASS

ALL

STATION NAME

AGANA, GUAM

41406

1

1550

0

0

CONDITION

1

HOURS (L.S.T.)

MAR

| NHE 5.6 6.5 1.9 11.16 17.21 22.27 28.33 34.40 41.47 48.55 256 % WINTEDMENTED BIT 1.3 1.6 17.21 22.27 28.33 34.40 41.47 48.55 256 % WINTEDMENTED S.6 6.5 1.9 1.9 14.2 4 14.2 4 14.5 14.9 14.0 14.9 14.9 14.9 14.9 14.9 14.9 14.9 14.9   |       |     |     |        |         |         |         |         |         |       |         |         |      |                       |
|--|-------|-----|-----|--------|---------|---------|---------|---------|---------|-------|---------|---------|------|-----------------------|
| 1.3 1.36 5.6 6.5 1.9 5.6 8.4 11.6 1.9 5.2 9.0 13.0 1.9 5.2 9.0 13.0 1.9 5.3 9.7 5.2 5.4 9.5 9.7 5.2 5.5 9.0 13.0 1.9 5.6 1.9 5.7 9.7 5.2 5.7 9.7 5.2 5.8 9.4 11.6 1.9 5.9 9.7 1.9 5.0 9.7 9.7 5.2 5.1 9.0 13.0 13.0 5.1 9.0 13.0 13.0 5.2 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 5.0 9.0 13.0 13.0 13.0 5.0 9.0 13.0 13.0 13.0 5.0 9.0 13.0 13.0 13.0 5.0 9.0 13.0 13.0 13.0 5.0 9.0 13.0 13.0 13.0 5.0 9.0 13.0 13.0 13.0 13.0 5.0 9.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13   | KNTS) | :-  | •   | 7 . 10 | 11 . 16 | 17 . 21 | 22 - 27 | 28 · 33 | 34 - 40 | 41.47 | 48 - 55 | %<br>AI | ×    | MEAN<br>WIND<br>SPEED |
| 5.6 6.5 1.9 14.2<br>5.8 8.4 11.6 1.9<br>5.2 9.4 11.0 1.9<br>1.9 4.5 9.7 5.2<br>1.9 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3 1.3   | z     | 1.3 | 1.3 | 9.     |         |         |         |         |         |       |         |         | 3.2  | 4.8                   |
| 5.8 8.4 11.6 1.9<br>5.2 9.0 11.0 1.9<br>1.9 4.5 9.7 5.2<br>1.9 4.5 9.7 5.2<br>1.9 5.2<br>1.9 6.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27.1<br>27 | NNE   | 5.8 | 6.5 | 1.9    |         |         |         |         |         |       |         |         | 14.2 | 4.3                   |
| 5.2 9.0 11.0 1.9<br>1.9 4.5 9.7 5.2<br>21.3 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0 6.0  | w Z   | 5.8 | 4.8 | 11.6   | 1.9     |         |         |         |         |       |         |         | 27.7 | 6.5                   |
| 1.9 4.5 9.7 5.2 21.3 6.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6 9.6   | ENE   | 5.2 | 0.6 | 11.0   | 1.9     |         |         |         |         |       |         |         | 27.1 | 6.7                   |
| 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6   |       | 1.9 | 4.5 | 6.7    | 5.5     |         |         |         |         |       |         |         | 21.3 | 8.2                   |
| 9. 9. 9. 2.8   | ESE   |     | 1.3 |        |         |         |         |         |         |       |         |         | 1.3  | 4.5                   |
| 9. 6.  | 25    |     |     |        |         |         |         |         |         |       |         |         |      |                       |
| 9.   | SSE   |     |     | 9.     |         |         |         |         |         |       |         |         | 9.   | 10.0                  |
| 9.   | 8     |     |     | 9.     |         |         |         |         |         |       |         |         | 9.   | 0.8                   |
| 9. 5.6   | SSW   |     |     |        |         |         |         |         |         |       |         |         |      |                       |
| 9. 5.6   | SW    |     |     |        |         |         |         |         |         |       |         |         |      |                       |
| 9. 5.6   | WSW   |     |     |        |         |         |         |         |         |       |         |         |      |                       |
| 9. 5.8   | *     |     |     |        |         |         |         |         |         |       |         |         |      |                       |
| 9, 5,  | WWW   |     |     |        |         |         |         |         |         |       |         |         |      |                       |
| 9, 5,8   | NN    |     |     |        |         |         |         |         |         |       |         |         |      |                       |
| CAUM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX  | MNN   | 9.  |     |        |         |         |         |         |         |       |         |         | 9.   | 2.0                   |
|  | TARBL |     |     |        |         |         |         |         |         |       |         |         |      |                       |
|  | ALM   | X   | X   | X      | X       | X       | X       | X       | X       | X     | X       | X       | 3.2  |                       |

TOTAL NUMBER OF OBSERVATIONS

155

6.3

100.0

0.6

36.1

31.0

20.6

0

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DIRNAVOCEANMET SMOS

HOURS CLS.T. MONTH MAR

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PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

200

SURFACE WINDS

73-77

WEATHER

ALL

STATION NAME

AGANA, GUAM

5.6 5.7 0.9 12.0 MEAN WIND SPEED 25.2 9. 16.8 × 18

48 - 55

41 - 47

34 - 40

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

1.3

SPEED (KNTS) DIR.

2.5

7.7

0.5

5.2

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9.

25 SE SE

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0.

9

3.4

7.1

6.5

0

5.9 0.4 0.4 0 0 3 100.0

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TOTAL NUMBER OF OBSERVATIONS

7:1

31.6

40.6

16.8

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0

0.

WWW

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N N VARBL CALM

0.

SSW WSW WSW

s

0

0

1 2

155

DIRNAVOCEANMET SMOS

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0

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41406 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

MONTH

HOURS (L.S.T.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS ALL WEATHER STATION NAME

73-77

AGANA, GUAM

41406

0

0

0

0

0

| MEAN<br>WIND<br>SPEED | 4.7 | 4.7  |      | 7.2  | _    | 0.6 |   | 12.0 |   | 0.4 |    |     |   |     |    |     |       |           | 6.6   |
|-----------------------|-----|------|------|------|------|-----|---|------|---|-----|----|-----|---|-----|----|-----|-------|-----------|-------|
| *                     | 6.9 | 14.8 | 21.9 | 29.7 | 53.9 | 1.3 |   | o.   |   | 9.  |    |     |   |     |    |     |       | 9.        | 100.0 |
| %<br>%                |     |      |      |      |      |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ |       |
| 48 · 55               |     |      |      |      |      |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ |       |
| 4.14                  |     |      |      |      |      |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ |       |
| 34 . 46               |     |      |      |      |      |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ |       |
| 28 - 33               |     |      |      |      |      |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ |       |
| 2.2                   |     |      |      |      |      |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ |       |
| 17 . 21               |     |      |      | 9.   |      |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ | 4.    |
|                       | 9.  | ٥.   | ٥.   | 3.2  | 5.5  | o.  |   | 0.   |   |     |    |     |   |     |    |     |       | $\bigvee$ | 11.6  |
| 7 . 10                | 9.  | 3.2  | 5.5  | 11.0 | 11.0 |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ | 31.0  |
| •                     | 5.6 | 4.5  | 4.8  | 13.5 | 1.1  | 0.  |   |      |   | 9.  |    |     |   |     |    |     |       | $\bigvee$ | 37.4  |
| :                     | 5.6 | 6.5  | 1.7  | 1.3  | 9.   |     |   |      |   |     |    |     |   |     |    |     |       | $\bigvee$ | 18.7  |
| (KNTS)<br>DIR.        | z   | ¥    | ¥    | Z.   | -    | 181 | * | 386  | • | SSW | SW | WSW | * | WNW | NN | ANN | VARBL | CALM      |       |

188

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155

TOTAL NUMBER OF OBSERVATIONS

0

0

0

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DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

IO NOURS (L.S.T.) MONTH AAK 73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

| DIR.  | 1:3       | :         | 7 - 10    | 1 . 16    | 17 - 21   | 22 - 27 | 28 - 33   | 34 - 40   | 41 - 47   | 48 - 55   | %<br>AI   | ×     | MEAN<br>WIND<br>SPEED |
|-------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z     |           | 1.3       | 2.6       | 9.        |           |         |           |           |           |           |           | 4.5   | 8.0                   |
| NN    | 9.        | 1.9       | 3.9       | 6.5       |           |         |           |           |           |           |           | 12.9  | 10.2                  |
| w Z   |           | 9.        | 1.1       | 17.4      |           |         |           |           |           |           |           | 25.8  | 1::1                  |
| ENE   |           | 6.1       | 6.1       | 12.9      | 9.        |         |           |           |           |           |           | 25.2  | 10.7                  |
|       |           | 1.3       | 0.6       | 14.8      | 1.9       |         |           |           |           |           |           | 27.1  | 11.7                  |
| ESE   |           |           | 1.3       | 1.9       |           |         |           |           |           |           |           | 3.2   | 12.0                  |
| SE    |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| SSE   |           |           |           | 0.        |           |         |           |           |           |           |           | 9.    | 13.0                  |
| s     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| SSW   |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| SW    |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| WSW   |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| *     |           | ٥.        |           |           |           |         |           |           |           |           |           | 9.    | 0.9                   |
| WNW   |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| W     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| NNN   |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| VARBL |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| CALM  | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 0     |                       |
|       | 9.        | 7.7       | 34.2      | 54.8      | 2.6       |         |           |           |           |           |           | 100.0 | 10.9                  |

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384

155

TOTAL NUMBER OF OBSERVATIONS

0

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DIRNAVOCEANMET SMOS

5702

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155

TOTAL NUMBER OF OBSERVATIONS

0

1

# PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AGANA, GUAM

41406 STATION

0

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 WEATHER CONDITION ALL STATION NAME

13 HOURS (LS.T.)

MONTH

| SPEED 1 - 3 4 - 6 7 DIR. | 1.3 | NN   | o    | Z.   | 9.   | ESE  | 35 | SSE  | S | SSW | SW. | WSW | * | WWW | WN  | NNW  | VARBL | CALM      | ,       |
|--------------------------|-----|------|------|------|------|------|----|------|---|-----|-----|-----|---|-----|-----|------|-------|-----------|---------|
| 7 . 10                   |     | 6.9  | 6.9  | 0.6  | 4.8  | 0.   |    |      |   |     |     |     |   |     | 9.  | 9.   |       | X         |         |
| 1 . 16                   | 9.  | 6.5  | 14.2 | 14.2 | 17.4 | 1.9  |    | ¢.   |   |     |     |     |   |     |     |      |       | X         |         |
| 17 - 21                  |     |      | 1.3  |      | 30   |      |    |      |   |     |     |     |   |     |     |      |       | X         |         |
| 22 - 27                  |     |      |      |      | 9.   |      |    |      |   |     |     |     |   |     |     |      |       | $\bigvee$ |         |
| 28 - 33                  |     |      |      |      |      |      |    |      |   |     |     |     |   |     |     |      |       | $\bigvee$ |         |
| 34 . 40                  |     |      |      |      |      |      |    |      |   |     |     |     |   |     |     |      |       | $\bigvee$ |         |
| 41 - 47                  |     |      |      |      |      |      |    |      |   |     |     |     |   |     |     |      |       | $\bigvee$ |         |
| 48 - 55                  |     |      |      |      |      |      |    |      |   |     |     |     |   |     |     |      |       | $\bigvee$ |         |
| %<br>AI                  |     |      |      |      |      |      |    |      |   |     |     |     |   |     |     |      |       | $\bigvee$ |         |
| ,                        | 1.0 | 12.9 | 23.2 | 24.5 | 32.9 | 2.6  |    | 9.   |   |     |     |     |   |     | 9.  | 9.   |       | 0.        | 4 4 4 4 |
| MEAN<br>WIND<br>SPEED    | 7.3 | 11.0 | 12.0 | 11.9 | 13.2 | 12.5 |    | 15.0 |   |     |     |     |   |     | 0.8 | 10.0 |       |           |         |

808

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 16 MONTH 73-77 ALL WEATHER STATION NAME AGANA, GUAM

| (KNTS)<br>DIR. | 1.3 | *         | 7 - 10    | 11 . 16   | 17 . 21 | 22 - 27   | 28 - 33   | 34 - 40   | 41 . 47   | 48 - 55   | 8         | *          |   |
|----------------|-----|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|------------|---|
| z              |     | 1.3       | 1.3       | 1.3       |         |           |           |           |           |           |           | 3.9        | + |
| NNE            |     | 1.3       | 5.2       | 5.5       |         |           |           |           |           |           |           | 11.6       | 1 |
| w Z            |     | ٥.        | 8.4       | 10.3      | 1.3     |           |           |           |           |           |           | 20.6       |   |
| ER             |     | 2.6       | 11.0      | 18.7      |         |           |           |           |           |           |           | 32.3       |   |
|                |     | 5.6       | 1:1       | 16.1      |         |           |           |           |           |           |           | 27.1       |   |
| ESE            |     | 9.        | 1.3       | 1.3       |         |           |           |           |           |           |           | 3.2        |   |
| 35             |     |           |           | 9.        |         |           |           |           |           |           |           | 9.         |   |
| SSE            |     |           |           |           |         |           |           |           |           |           |           |            |   |
| s              |     |           |           | o.        |         |           |           |           |           |           |           | 9.         |   |
| SSW            |     |           |           |           |         |           |           |           |           |           |           |            | - |
| SW             |     |           |           |           |         |           |           |           |           |           |           |            |   |
| WSW            |     |           |           |           |         |           |           |           |           |           |           |            | - |
| *              |     |           |           |           |         |           |           |           |           |           |           |            | - |
| WNW            |     |           |           |           |         |           |           |           |           |           |           |            | - |
| N.             |     |           |           |           |         |           |           |           |           |           |           |            |   |
| NNN            |     |           |           |           |         |           |           |           |           |           |           |            |   |
| VARBL          |     |           |           |           |         |           |           |           |           |           |           |            |   |
| CALM           | X   | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 0.         | - |
|                |     | 6.0       | 34.2      | 54.8      | 2.0     |           |           |           |           |           |           | 100.0 11.2 |   |

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1880

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19 HOURS (L.S.T.) MAR 73-77 ALL WEATHER CONDITION

| NE 3.2 9.7 14.2 3.9  NE 3.2 9.7 14.2 3.9  E 1.9 3.2 8.4 4.5  ESE 1.9 .6  SSW  WSW  WNWW | 1.9 7.1 5.8<br>3.2 9.7 14.2<br>.6 13.5 10.3<br>1.9 3.2 8.4 | 1.9 7.1 5.8<br>3.2 9.7 14.2<br>1.9 3.2 8.4<br>1.9 1.9 .6 | 1.9 7.1 5.8<br>3.2 9.7 14.2<br>1.9 3.2 8.4<br>1.9 1.9 .6 |
|---|--|--|--|
| 1.9 3.2 8.4   | 1.9 3.2 8.4  | 1.9 3.2 8.4  | 1.9 3.2 8.4<br>1.9 3.2 8.4                               |
| 1.9 3.2 8.4   | 1.9 3.2 8.4  | 1.9 3.2 8.4  | 1.9 3.2 8.4  |
| 6. 6.1  | 6.1  | 6.1  | 6. 6.1   |
| ·   | ·  | ç.   | ç.   |
|   |  |  |  |
|   |  |  |  |
| WSW WWW   | SW SW WSW WWW WWW WWW WWW WWW WWW WWW W                    | SW<br>SW<br>WSW<br>WNW<br>WNW<br>NWW                     | 55W<br>5W<br>W W<br>W NW<br>NW ANM                       |
| wsw www   | wsw<br>wwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwww                  | WSW WWW WNW NWW NWW NWW NWW NWW NWW NWW                  | 9.W W W W W W W W W W W W W W W W W W W                  |
| WSW W   | W WAWW   | wsw<br>www<br>www<br>nww                                 | W W W W W W W W W W W W W W W W W W W                    |
| WWW   | WAW NW   | WNW NWW NNW  | W NAW NAW NAW NAW NAW NAW NAW NAW NAW NA                 |
| WWW   | WNW  | NW NW NW   | NV NV NV NV NV NV NV NV NV NV NV NV NV N                 |
|   | NA NA  | NW NIW   | NW WWW   |

TOTAL NUMBER OF OBSERVATIONS

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155

TOTAL NUMBER OF OBSERVATIONS

#### SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

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DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22 HOURS (1.5.T.) MAR YEARS 73-77 ALL WEATHER STATION NAME AGANA, GUAM

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| SPEED 1 - 3 4 DIR.    | 1.3 | 8.8  | 3.2  | 4.3  | E 1.3 | ESE  | 35  | SSE | 9   | SSW | SW. | WSW | * | WNW | NW | NNW | VARBL | CALM              |   |
|-----------------------|-----|------|------|------|-------|------|-----|-----|-----|-----|-----|-----|---|-----|----|-----|-------|-------------------|---|
| •                     | 1.3 | 5.2  | 10.3 | 10.3 | 2.5   |      |     |     |     |     |     |     |   |     |    |     |       | $\langle \rangle$ |   |
| 7 . 10                |     | 1.9  | 10.3 | 14.8 | 7.1   |      | 9.  |     | 9.  |     |     |     |   |     |    |     |       | X                 |   |
| 11 . 16               |     | 9.   | 1.9  | 5.8  | 6.5   | 9.   |     |     |     |     |     |     |   |     |    |     |       | X                 |   |
| 17 - 21               |     |      |      |      |       |      |     |     |     |     |     |     |   |     |    |     |       | $\bigvee$         |   |
| 22 - 27               |     |      |      |      |       |      |     |     |     |     |     |     |   |     |    |     |       | $\bigvee$         |   |
| 28 · 33               |     |      |      |      |       |      |     |     |     |     |     |     |   |     |    |     |       | $\bigvee$         |   |
| 34 · 40               |     |      |      |      |       |      |     |     |     |     |     |     |   |     |    |     |       | $\bigvee$         |   |
| 41 - 47               |     |      |      |      |       |      |     |     |     |     |     |     |   |     |    |     |       | $\bigvee$         |   |
| 48 - 55               |     |      |      |      |       |      |     |     |     |     |     |     |   |     |    |     |       | $\bigvee$         |   |
| 95<br>Al              |     |      |      |      |       |      |     |     |     |     |     |     |   |     |    |     |       | $\bigvee$         |   |
| ×                     | 2.6 | 13.5 | 25.8 | 35.5 | 20.0  | 9.   | 9.  |     | 9.  |     |     |     |   |     |    |     |       | 9.                |   |
| MEAN<br>WIND<br>SPEED | 3.8 | 6.4  | 6.5  | 7.3  | 0.6   | 12.0 | 8.0 |     | 0.6 |     |     |     |   |     |    |     |       |                   | 5 |

5702 SURFACE WINDS JAN 78

SURFACE WINDS

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ALL HOURS (LS.T.)

MAR

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

| NNE 3.4 4.2 3.9 2.5  NE 3.1 6.4 9.0 6.3 .3  ENE 2.1 7.8 10.6 7.8 .3  ESE .7 3.9 9.1 9.4 1.1 .1  SSE .2 .2 .1  SSW WSW .1 .1  NWW NWW .1 .1 .1  NN NWW .1 .1 .1  NN NWW .1 .1 .1  NN NWW .1 .1 .1  NN NWW .1 .1 .1  NN NWW .1 .1 .1 | SPEED<br>(KNTS)<br>DIR. | 1:3       | •         | 7 - 10    | 11 . 16   | 17 . 21 | 22 - 27   | 28 · 33   | 34 . 40   | 41.4 |           | 48 - 55 | 48 · 55   Y 56 |            |
|--|-------------------------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|------|-----------|---------|----------------|------------|
| 3.4 4.2 3.9 2.5 3.1 6.4 9.0 6.3 2.1 7.8 10.6 7.8 3.9 9.1 9.4 1 3.0 5.2 .1 3.1 5.1 5.3 3.1 6.4 10.6 1.8 3.1 6.4 10.6 1.8 3.1 6.4 10.6 1.8 3.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7   | z                       | 5.        | 1.5       | 1.        | 4.        |         |           |           |           |      |           |         |                | 3.4        |
| 3.1 6.4 9.0 6.3<br>2.1 7.8 10.6 7.8<br>.7 3.9 9.1 9.4 1<br>.6 .5 .8<br>.1 .2 .1<br>.1 .3<br>.1 .1 .1   | N.                      | 3.4       | 4.2       | 3.9       | 2.5       |         |           |           |           |      |           |         |                | 14.0       |
| 2.1 7.8 10.6 7.8<br>.7 3.9 9.1 9.4 1<br>.6 .5 .8<br>.1 .2 .1<br>.1 .3<br>.1 .3<br>.1 .1 .3   | ¥                       | 3.1       | 4.9       | 0.6       | 6.3       | ٠.      |           |           |           |      |           |         |                | 25.2       |
| 7. 3.9 9.1 9.4<br>8. 6. 5. 8<br>8. 2. 13<br>12 .2<br>11 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .   | E                       | 2.1       | 7.8       | _         | 7.8       | •       |           |           |           |      |           |         |                | 28.6       |
| 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.  |                         |           | 3.9       |           | 4.6       | 1.1     | 7.        |           |           |      |           |         |                | 24.3       |
| 2. 1 1   | ESE                     |           | 9.        | 5.        | œ.        |         |           |           |           |      |           | 1       |                | 1.9        |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1   | 35                      |           |           | .2        | 1.        |         |           |           |           |      |           | 1       |                | 2.         |
| 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1   | SSE                     |           |           | 7.        | .3        |         |           |           |           |      |           | -       |                | <b>*</b> • |
| .1   | s                       |           |           | .2        | .2        |         |           |           |           |      |           |         |                |            |
| 1. 1.  | SSW                     |           | 1.        |           |           |         |           |           |           |      |           |         |                | 7.         |
| .1 .1.   | SW                      |           |           |           |           |         |           |           |           |      |           |         |                |            |
| .11.   | WSW                     |           | 1.        |           |           |         |           |           |           |      |           |         |                |            |
| .11.   | *                       |           | .1        |           |           |         |           |           |           |      |           |         |                | 1.         |
| .1 .1  | WNW                     |           |           |           |           |         |           |           |           |      |           |         |                |            |
| .1 .1  | WW                      |           |           | ٠.        |           |         |           |           |           |      |           |         |                | -:         |
|  | NNN                     |           | 7.        |           |           |         |           |           |           |      |           |         |                | • 2        |
|  | CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | X    | $\bigvee$ |         | $\bigvee$      | 1.1        |
| CALM   |                         | 10.2      | 10.2 24.8 | 34.4      | 27.7      | 8-1     | -         |           |           |      |           |         |                | 100.0      |

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DIRNAVOCEANMET SMOS

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1240

TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

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150

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

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(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER STATION NAME AGANA, GUAM

CONDITION

| SPEED 1.3 4.6 7.10 11.16 17.21 DIR. | z.  | NNE 2.7 1.3 2.7 | NE 7. 8.0 | 1.3 12.0 13.3 |      | .7 2.0 | 35 | SSE | S | L. MSS | MS | WSW | l.3  | WWW | W | NNW | VARBL | сии               |  |
|-------------------------------------|-----|-----------------|-----------|---------------|------|--------|----|-----|---|--------|----|-----|------|-----|---|-----|-------|-------------------|--|
| 22 . 27 28 . 33                     |     |                 |           |               |      |        |    |     |   |        |    |     |      |     |   |     |       | $\langle \rangle$ |  |
| 34 . 46                             |     |                 |           |               |      |        |    |     |   |        |    |     |      |     |   |     |       |                   |  |
| 41 . 47 48 . 55                     |     |                 |           |               |      |        |    |     |   |        |    |     |      |     |   |     |       |                   |  |
| 8 41                                | 1.3 | 6.7             | 17.3      | 28.7          | 40.7 | 2.7    |    |     |   |        |    |     | 1.3  |     |   |     |       |                   |  |
| WEAN<br>WIND<br>SPEED               | 0.0 | 5.7             | 9.5       | 7.2           | 9.6  | 7.5    |    |     |   | 0.4    |    |     | 12.0 |     |   |     |       |                   |  |

DIRNAVOCEANMET SMOS

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TOTAL NUMBER OF OBSERVATIONS

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NOURS (LST.)

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SURFACE WINDS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER STATION NAME

CONDITION

| SPEED<br>(KNTS)<br>DIR. | :-        | •         | 7 . 10    | 11 - 16   | 17 - 21 | 22 . 27 | 28 · 33   | 34 - 40   | 41.47     | 48 - 55 | <b>%</b> | ×     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|---------|---------|-----------|-----------|-----------|---------|----------|-------|-----------------------|
| z                       |           | 1.3       | 1.3       |           |         |         |           |           |           |         |          | 2.7   | 7.5                   |
| W.X                     | 6.7       | 4.0       | 1.3       |           |         |         |           |           |           |         |          | 12.0  | 4.0                   |
| N.                      | 2.0       | 12.0      | 3.3       |           |         |         |           |           |           |         |          | 17.3  | 5.4                   |
| ENE                     | 2.7       | 10.7      | 11.3      | 2.0       |         |         |           |           |           |         |          | 26.7  | 7.0                   |
|                         |           | 8.0       | 20.7      | 0.0       |         |         |           |           |           |         |          | 34.7  | 8.7                   |
| ESE                     |           | ۲.        | 1.        | 1.3       |         |         |           |           |           |         |          | 3,3   | 8.0                   |
| 35                      |           |           |           |           |         |         |           |           |           |         |          |       |                       |
| SSE                     |           |           |           |           |         |         |           |           |           |         |          |       |                       |
| 5                       |           |           |           |           |         |         |           |           |           |         |          |       |                       |
| SSW                     |           |           |           |           |         |         |           |           |           |         |          |       | 3.0                   |
| SW                      |           |           | 1.        |           |         |         |           |           |           |         |          |       | 10.0                  |
| WSW                     |           |           |           |           |         |         |           |           |           |         |          |       |                       |
| *                       |           |           |           | .,        |         |         |           |           |           |         |          |       | 13.0                  |
| WNW                     |           |           |           |           |         |         |           |           |           |         |          |       |                       |
| WW                      |           |           |           |           |         |         |           |           |           |         |          |       |                       |
| MNN                     |           |           |           |           |         |         |           |           |           |         |          |       |                       |
| VARBL                   |           |           |           |           |         |         |           |           |           |         |          |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X        | 1.3   |                       |
|                         | 12.7      | 36.7      | 39.3      | 10.0      |         |         |           |           |           |         |          | 100.0 | 6.9                   |

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DIRNAVOCEANMET SMOS

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41406 STATION

ACANA, GUAM

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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

> STATION 41406

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HOURS (L.S.T.

MONTH 07

APR

| SPEED<br>(KNTS)<br>DIR. | ÷:        | *         | 7 . 10    | 91 . 11 | 17 . 21 | 12 - 27 | 28 - 33   | 34 . 45   | 4 . 14    | 48 - 55 | <b>%</b>  | *     |     |
|-------------------------|-----------|-----------|-----------|---------|---------|---------|-----------|-----------|-----------|---------|-----------|-------|-----|
| z                       |           | 1.3       | 1.3       |         |         |         |           |           |           |         |           | 2.1   | 100 |
| N.                      |           | 7.3       | 1.3       |         |         |         |           |           |           |         |           | 8     | _   |
| ¥                       | 3.3       | 5.3       | 6.3       |         |         |         |           |           |           |         |           | 18.0  | 1-  |
| FNE                     | 5.0       | 10.0      | 18.7      | 1.3     |         |         |           |           |           |         |           | 32.0  | -   |
|                         |           | 5.3       | 20.0      | 8.0     | 2.      |         |           |           |           |         |           | 34.   | -   |
| ESE                     |           |           |           |         |         |         |           |           |           |         |           | 1.3   | 1 - |
| 35                      |           |           |           |         |         |         |           |           |           |         |           |       | 1   |
| SSE                     |           |           |           |         |         |         |           |           |           |         |           |       | 1   |
| s                       |           |           |           |         |         |         |           |           |           |         |           |       |     |
| SSW                     |           |           |           |         |         |         |           |           |           |         |           |       |     |
| SW                      |           |           |           |         |         |         |           |           |           |         |           |       |     |
| WSW                     |           |           |           | 1.      |         |         |           |           |           |         |           | •     |     |
| *                       |           |           | ۲.        |         |         |         |           |           |           |         |           |       |     |
| WNW                     |           |           |           |         |         |         |           |           |           |         |           |       |     |
| X                       |           |           |           |         |         |         |           |           |           |         |           |       |     |
| NNN                     |           |           |           |         |         |         |           |           |           |         |           |       |     |
| VARBL                   |           |           |           |         |         |         |           |           |           |         |           |       |     |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | 1.3   | -   |
|                         | 0.9       | 29.3      | 52.7      | 10.0    | .7      |         |           |           |           |         |           | 100.0 |     |

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1C HOURS (LS.T.)

APR

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER

STATION NAME

AGANA, GUAM

41406 STATION

CONDITION

9.8 11.9 11.5 8.0 10.0 16.0 11.9 MEAN WIND SPEED 14.7 2.7 30.0 0 100.0 . × 12 48 - 55 41 - 47 34 - 40 28 . 33 22 . 27 . 2.7 17 - 21 19.3 31.3 60.7 11 . 16 34.0 1. 2.7 10.0 . 7 - 10 .. NW NWW N N N SSW WSW WNW CALM 25 22 23 25 25 25 SW 8 \* .

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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5702 SURFACE WINDS JAN 78

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

AGANA, GUAM

41406 STATION

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YEARS

13 HOURS (LS.T.)

APR

CCADITION

| 10 11.16 17.21 22.27 28.33 34.40 41.47 | .7 2.0 | 7 1.3 | .7 8.0 |        | 5.0 31.3 6.7 .7 | 3 2.0 |  |  |  |  |    |   |  |
|--|--------|-------|--------|--------|-----------------|-------|--|--|--|--|----|---|--|
| 4.6 7.10                               | 7.     | 7.4.7 | 7.     | 7.9 7. | 0.9             | 1.3   |  |  |  |  | 1. | X |  |

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

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16 HOURS (L.S.T.)

APR

YEARS

ALL WEATHER

STATION NAME

41406 STATION

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CONDITION

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) 73-77 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC AGANA, GUAM

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| SPEED<br>(KNTS)<br>DIR. | z   | W.  | ¥    | Z    |      | ESE  | 35 | SSE | s | SSW | SW | WSW  | *    | WNW | NW | NNW | VARBL | CALM      |           |
|-------------------------|-----|-----|------|------|------|------|----|-----|---|-----|----|------|------|-----|----|-----|-------|-----------|-----------|
| :                       |     |     |      |      |      |      |    |     | 7 |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| • •                     |     |     |      |      | 1.   |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| 7 - 10                  | 2.7 | 3.3 | 3.3  | 11.3 | 10.0 |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ | 0 66      |
| . I.                    | 1.3 | 2.0 | 4.0  | 17.3 | 38.7 |      |    |     |   |     |    | 1.   | .7   |     |    |     |       | $\bigvee$ | 1.77      |
| 17 . 21                 |     |     |      | 1.3  |      |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| 22 - 27                 |     |     |      |      |      |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| 28 · 33                 |     |     |      |      |      |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| 34 . 40                 |     |     |      |      |      |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| 41 - 47                 |     |     |      |      |      |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| 48 · 55                 |     |     |      |      |      |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| %<br>Al                 |     |     |      |      |      |      |    |     |   |     |    |      |      |     |    |     |       | $\bigvee$ |           |
| *                       | 0.4 | 0.9 | 7.3  | 30.0 | 6.65 | 1.3  |    |     |   |     |    | 1.3  |      |     |    |     |       | 0.        | 100.011.8 |
| MEAN<br>WIND<br>SPEED   | 4.4 | . 6 | 10.5 | 11.7 | 12.5 | 13.0 |    |     |   |     |    | 10.0 | 12.0 |     |    |     |       |           | 11.       |

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DIRNAVOCEANMET SMOS

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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS JAN 78 5702

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

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(FROM HOURLY OBSERVATIONS)

19 HOURS (L.S.T.) A P K 73-77 WEATHER CONDITION ALL STATION NAME AGANA, GUAM

| PS6 % WIND SPEED        | 1.3 7.5 | 11.3 6.5 | 14.0 6.8 | 32.7 7.8 | 36.7 9.3 | .7 7.0 |    |     |    |     |    | 1.3 7.0 | .7 13.0 |     | .7 12.0 | .7 3.0 |       | 0.                |   |
|-------------------------|---------|----------|----------|----------|----------|--------|----|-----|----|-----|----|---------|---------|-----|---------|--------|-------|-------------------|---|
| 47 48 . 55              |         |          |          |          |          |        |    |     |    |     |    |         |         |     |         |        |       |                   | - |
| 34 - 40 41 - 47         |         |          |          |          |          |        |    |     |    |     |    |         |         |     |         |        |       | $\langle \rangle$ |   |
| 28 - 33                 |         |          |          |          |          |        |    |     |    |     |    |         |         |     |         |        |       |                   |   |
| 17 - 21 22 - 27         |         |          |          |          |          |        |    |     |    |     |    |         |         |     |         |        |       | X                 |   |
| 2 :                     |         | ۲.       |          | 2.7      | 10.0     |        |    |     |    |     |    |         | 1.      |     |         |        |       |                   |   |
| 7 . 10                  | 1.      |          | _        |          | 20.7     |        |    |     |    |     |    | ٠.      |         |     |         |        |       | X                 |   |
| *:                      | 1.      | 0.9      | 5.3      | 11.3     | 0.9      |        |    |     |    |     |    |         |         |     |         |        |       | $\bigvee$         |   |
|                         |         |          |          |          |          |        |    |     |    |     |    |         |         |     |         | .7     |       | $\bigvee$         |   |
| SPEED<br>(KNTS)<br>DIR. | z       | N N      | az       | EN       |          | ESE    | SE | SSE | 50 | SSW | SW | WSW     | *       | WNW | ×       | NNN    | VARBL | CALM              |   |

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TOTAL NUMBER OF OBSERVATIONS

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22 HOURS LLST.

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209

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SURFACE WINDS

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SURFACE WINDS JAN 78

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77 ALL MEATHER

STATION MAME

ACANA, GUAM

41406 STATION

7.6 2.4 3.0 7.5 12.0 6.3 6.8 MEAN WIND SPEED 5.3 100.0 37.3 1.3 0 . . 12 . 55 4 41 . 47 34 - 40 28 - 33 22 . 27 17 - 21 12.0 1.3 11 . 16 2.0 22.7 52.7 0.4 1.5 7 - 10 10.7 27.3

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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MEAN WIND SPEED

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SURFACE WINDS JAN 78

8.5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGANA, GUAM

41406

YEARS

ALL WEATHER

ALL HOURS CLST. MONTH

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OF

SURFACE WINDS

CONDITION

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SPEED (KNTS) DIR.

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TOTAL NUMBER OF OBSERVATIONS

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SMOS DIRNAVOCEANMET

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200

O.1 HOURS (L.S.T.)

MAY

YEARS

73-77

STATION NAME

AGANA, GUAM

41406 STATION

1556

1

ALL WEATHER

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

COMDITION

|      | •         | 7 . 10    | 11 . 16 | 17 . 21 | 22 - 27   | 28 · 33 | 34 . 40   | 41.47     | 48 - 55   | %<br>AI   | *     | WIND |
|------|-----------|-----------|---------|---------|-----------|---------|-----------|-----------|-----------|-----------|-------|------|
| .0.  | 9.        |           | ç.      |         | 9.        |         |           |           |           |           | 2.6   | 10.5 |
|      | 1.3       |           |         |         |           |         |           |           |           |           | 1.3   | 5.5  |
| 1.7  | 7.1       | 3.9       |         |         |           |         |           |           |           |           | 18.7  | 4.5  |
| 5.8  | 16.1      | 10.3      | 1.3     |         |           |         |           |           |           |           | 33.5  | 0.0  |
| 3.5  | 1:1       | 4.8       | 0.      |         |           |         |           |           |           |           | 20.0  | 6.1  |
| 3.8  | 1.3       | 0.        |         |         |           |         |           |           |           |           | 5.2   | 3.1  |
| 1.3  | 3.9       |           |         |         |           |         |           |           |           |           | 5.2   | 0.4  |
| 0    | 1.3       | 9.        |         |         |           |         |           | 0.        |           |           | 3.2   | 12.8 |
| 0.   |           |           |         | 9.      |           |         |           |           |           |           | 1.3   | 10.0 |
| 9.   |           | 9.        |         |         |           |         |           |           |           |           | 1.3   | 6.5  |
|      |           |           |         |         |           |         |           |           |           |           |       |      |
|      |           |           |         |         |           |         |           |           |           |           |       |      |
| 9.   |           |           |         |         |           |         |           |           |           |           | 9.    | 2.0  |
|      |           |           |         |         |           |         |           |           |           |           |       |      |
|      |           |           |         |         |           |         |           |           |           |           |       |      |
| 6.   |           |           | 9.      |         |           |         |           |           |           |           | 1.3   | 7.0  |
|      |           |           |         |         |           |         |           |           |           |           |       |      |
|      | $\bigvee$ | $\bigvee$ | X       | X       | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 5.8   |      |
| 25.2 | 39.4      | 34.5      | 3.2     | 4.      | 4         |         |           | •         |           |           | 100.0 | is   |

516

12

155

TOTAL NUMBER OF OBSERVATIONS

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1

DIRNAVOCEANMET SMOS

155

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

8008

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) MONTH MAY YEARS 73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

| MEAN<br>WIND<br>SPEED   | 10.6 | 3.3 | 4.7  | 5.2  | 5.4 | 3.6 | 5.0 | 6.8 | 5.8 | 10.0 |     | 2.0 |   | 12.0 |   |     |       |           | 6.4   |
|-------------------------|------|-----|------|------|-----|-----|-----|-----|-----|------|-----|-----|---|------|---|-----|-------|-----------|-------|
| *                       | 3.2  | 3.9 | 19.4 | 30.3 | 4.6 | 3.2 | 3.2 | 3.2 | 3.9 | ٠.   |     | 9.  |   | 9.   |   |     |       | *** 8     | 100.0 |
| 8                       |      |     |      |      |     |     |     |     |     |      |     |     |   |      |   |     |       | $\bigvee$ |       |
| 48 · 55                 |      |     |      |      |     |     |     |     |     |      |     |     |   |      |   |     |       | $\bigvee$ |       |
| 41 - 47                 |      |     |      |      |     |     |     |     |     |      |     |     |   |      |   |     |       | $\bigvee$ |       |
| 34 - 40                 |      |     |      |      |     |     |     |     |     |      |     |     |   |      |   |     |       | $\bigvee$ |       |
| 28 . 33                 |      |     |      |      |     |     |     |     |     |      |     |     |   |      |   |     |       | $\bigvee$ |       |
| 22 - 27                 | 9.   |     |      |      |     |     |     |     | 9.  |      |     |     |   |      |   |     |       | $\bigvee$ | 1.3   |
| 17 - 21                 |      |     |      |      |     |     |     |     |     |      |     |     |   |      |   |     |       | $\bigvee$ |       |
| 11 . 16                 |      |     |      | 0.   | 9.  |     |     | 9.  |     |      |     |     |   | 9.   |   |     |       | $\bigvee$ | 2.6   |
| 7 . 10                  | 1.3  | 9.  | 2.0  | 4.00 | 5.0 |     | 0.  | 1.3 |     | 9.   |     |     |   |      |   |     |       | $\bigvee$ | 21.3  |
| • •                     | 1,3  | 0.  | 12.9 | 12.9 | 1:1 | 1.3 | 2.6 |     | 9.  |      |     |     |   |      |   |     |       | $\bigvee$ | 0.04  |
| 1.3                     |      | 5.6 | 3.9  | 3.00 | 5.5 | 1.9 |     | 1.3 | 2.6 |      |     | 9.  |   |      |   |     |       | $\bigvee$ | 26.5  |
| SPEED<br>(KNTS)<br>DIR. | z    | N N | ¥    | FR   |     | ESE | SE  | SSE | s   | SSW  | WS. | WSW | * | WNW  | W | MNN | VARBL | CALM      |       |

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

NAVAL WEATHER SERVICE DETACHMENT (SHEVILLE N C F/6 4/2 SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) AGANA, G--ETC(U) AD-A060 606 JUN 78 UNCLASSIFIED NL 2 OF 4 AD60606 Ü

## PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SPEED<br>(KNTS)<br>DIR. | <br>      | 9.+       | 7 . 10    |     | 17 - 21 | <b>11</b> · 12 | 28 · 33 | 34 - 40   | 41 - 42 | 48 - 55 | %<br>AI   | ×     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----|---------|----------------|---------|-----------|---------|---------|-----------|-------|-----------------------|
| z                       | 1.3       |           |           |     |         |                |         | 9.        |         |         |           | 1.9   | 14.0                  |
| N.                      | 3.2       | 9.        | 6.1       |     |         |                |         |           |         |         |           | 5.8   | 4                     |
| ¥.                      | 5.6       | 4.8       | 5.2       |     |         |                |         |           |         |         |           | 16.2  | 5.5                   |
| ENE                     | 7.1       | 14.9      | 9.1       | 1.9 |         |                |         |           |         |         |           | 33.1  | 5.8                   |
|                         | 1.3       | 12.3      | 5.2       | 1.9 |         |                |         |           |         |         |           | 20.8  | 6.7                   |
| ESE                     | 1.9       | 1.9       | 0.        |     |         |                |         |           |         |         |           | 4.5   | 3.7                   |
| SE                      | 1.3       |           |           |     |         |                |         |           |         |         |           | 1.3   | 2.5                   |
| SSE                     | 9.        | 1.3       | 1.3       |     |         |                |         |           |         |         |           | 3.2   | 6.2                   |
| 8                       |           | 9.        | 1.3       | 9.  |         |                |         |           |         |         |           | 2.6   | 8.3                   |
| SSW                     | 9.        |           | 9.        |     |         | 0.             |         |           |         |         |           | 1.9   | 12.7                  |
| SW                      |           |           |           |     |         |                |         |           |         |         |           |       |                       |
| WSW                     |           |           |           |     |         |                |         |           |         |         |           |       |                       |
| *                       |           |           |           |     |         |                |         |           |         |         |           |       |                       |
| WWW                     |           |           |           | 9.  |         |                |         |           |         |         |           | 9.    | 13.0                  |
| WW                      |           | 9.        |           |     |         |                |         |           |         |         |           | 9.    | 0.4                   |
| MNW                     |           |           | 9.        |     |         |                |         |           |         |         |           | 9.    | 10.0                  |
| VARBL                   |           |           |           |     |         |                |         |           |         |         |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | X   | X       | X              | X       | $\bigvee$ | X       | X       | $\bigvee$ | 6.5   |                       |
|                         | 20.1      | 6.04      | 26.0      | 5.2 |         | 9.             |         | 9.        |         |         |           | 100.0 | 5.8                   |

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

STATION

0 0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER

STATION NAME

AGANA, GUAM

NOURS (L.S.T.) MONTH MAY

|                         |           |           |           |           | -       |         |         |         |           |         |           |       |                       |
|-------------------------|-----------|-----------|-----------|-----------|---------|---------|---------|---------|-----------|---------|-----------|-------|-----------------------|
| SPEED<br>(KNTS)<br>DIR. | 1.3       | *:        | 7 - 10    | 11 . 16   | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 4.4       | 48 - 55 | <b>%</b>  | *     | MEAN<br>WIND<br>SPEED |
| z                       |           |           | 1.3       |           |         |         |         | 0.      |           |         |           | 1.9   | 18.0                  |
| N.                      |           | 0.        | 1.9       | 9.        | 0.      |         |         |         |           |         |           | 3.9   | 10.2                  |
| ¥                       |           | 1.9       | 4.0       | 3.5       |         |         |         |         |           |         |           | 13.5  | 4.5                   |
| ENE                     |           |           | 12.3      | 12.3      | 9.      |         |         |         |           |         |           | 25.2  | 11.2                  |
|                         |           | 1.9       | 15.5      | 12.9      | 9.      |         |         |         |           |         |           | 31.0  | 10.4                  |
| ESE                     | 9.        | 1.3       | 5.5       |           |         |         |         |         |           |         |           | 1.1   | 7.4                   |
| 35                      |           | 6.1       | 1.9       |           |         |         |         |         |           |         |           | 3.9   | 6.3                   |
| SSE                     |           | 1.3       | · 1       |           |         |         |         |         |           |         |           | 2.6   | 7.3                   |
| S                       | 1.3       |           | 2.6       | 9.        |         |         | 9.      |         |           |         |           | 5.2   | 10.9                  |
| SSW                     |           | 9.        | 1.3       |           |         |         |         |         |           |         |           | 1.9   | 7.3                   |
| SW                      |           |           |           |           |         |         |         |         |           |         |           |       |                       |
| WSW                     | 9.        |           | •         |           |         |         |         |         |           |         |           | 1.3   | 5.0                   |
| *                       |           |           |           |           |         |         |         |         |           |         |           |       |                       |
| WNW                     |           |           |           |           |         |         |         |         |           |         |           |       |                       |
| XX                      |           | 9.        |           |           |         |         |         |         |           |         |           | 9.    | 0.4                   |
| NNN                     |           | ••        |           | 9.        |         |         |         |         |           |         |           | 1.3   | 10.0                  |
| VARBL                   |           |           |           |           |         |         |         |         |           |         |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | X       | X       | $\bigvee$ | X       | $\bigvee$ | 9.    |                       |
|                         | 2.6       | 11.0      | 52.3      | 30.3      | 1.9     |         | 0.      | 0.      |           |         |           | 100.0 | 10.0                  |

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

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41406 STATION

155

TOTAL NUMBER OF OBSERVATIONS

5.1

49.0

40.0

5.0

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7

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION NAME

AGANA, GUAM

41406

YEARS

CONDITION

58

22 - 27

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

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13 HOURS (LS.T.) MONTH MAY

10.1 11.5 23.3 3.0 9.0 10.5 11.4 6.5 10.9 6.7 MEAN WIND SPEED 14.0 23.9 4.5 3.2 0 1.3 2.0 1.3 7.1 0 100.0 0 . 12 48 - 55 41 . 47 34 - 40 . 33

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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CALM

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGANA, GUAM

41406 STATION

0

0

YEARS

ALL WEATHER

16 NOURS (1.5.T.) MONTH MAY

22 . 27

17 - 21

11 . 16

7 . 10

1.3

SPEED (KNTS) DIR.

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WNW N N VARBL

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10.4 5.5 12.7 9.0 20.0 7.3 3.0 10.1 MEAN WIND SPEED 30.3 3.9 0 0 0 0 100.0 0 12 48 - 55 41 - 47 9 0 34 - 40 28 . 33

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6.9

0

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155

TOTAL NUMBER OF OBSERVATIONS

5.0

34.8

47.7

12.3

1.9

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CALM

14

DIRNAVOCEANMET

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1 =

19 HOURS (1.5.T.

MAY

YEARS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CONDITION

| z     | <u>:</u>  | • • •     | 7 . 10    | 1 . 16    | 17 . 21   | 22 - 27 | 28 · 33   | 3 6       | 9.14      | \$ . \$5  | %<br>AI   | *     | WIND<br>WIND<br>SPEED |
|-------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| Z z   | 9.        | 0.        | 1.3       |           |           | 9.      |           |           |           |           |           | 3.2   | 4.6                   |
| 7     |           | 3.2       | 9.        |           |           |         |           |           |           |           |           | 3.9   | 4.7                   |
| 34    | 1.3       | 4.5       | 4.5       |           |           |         |           |           |           |           |           | 10.3  | 4.0                   |
| E E   | 9.        | 15.5      | 34.8      | 1.9       |           |         |           |           |           |           |           | 32.9  | 6.9                   |
| -     | 1.3       | 11.6      | 12.9      | 1.9       | 0.        |         |           |           |           |           |           | 28.4  | 7.3                   |
| ESE   | 1.3       | 3.5       | 2.6       |           |           |         |           |           |           |           | 9.        | 1:1   | 10.3                  |
| *     |           | 5.6       | 9.        |           |           |         |           |           |           |           |           | 3.2   | 5.8                   |
| SSE   | 9.        | 9.        | 0.        | 9.        |           |         |           |           |           |           |           | 2.0   | 6.5                   |
| •     | 9.        | 1.3       | 0.        | 9.        |           |         |           |           |           |           |           | 3.2   | 7.2                   |
| SSW   |           |           | 9.        |           |           |         |           |           |           |           |           | 9.    | 8.0                   |
| SW    |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| WSW   |           |           | 9.        |           |           |         |           |           |           |           |           | 9.    | 10.0                  |
| *     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| WWW   |           | 1.3       |           |           |           |         |           |           |           |           |           | 1.3   | 5.0                   |
| NW    | 9.        |           |           |           |           |         |           |           |           |           |           | ٠.    | 3.0                   |
| NNN   |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| VARBL |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| CALM  | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 1.3   |                       |
|       | 7.1       | 44.5      | 0.04      | 5.2       | 9.        | 9.      |           |           |           |           | 9.        | 100.0 | 7.1                   |

9119

.0

9.4

DIRNAVOCEANMET SMOS

0

0

1 3

155

TOTAL NUMBER OF OBSERVATIONS

1550

0

O

0

41406 STATION

73-77

ALL WEATHER

STATION MAME

AGANA, GUAN

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

5702 SURFACE WINDS JAN 78

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

ACANA, GUAM

41406

0

1550

0

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER COMBITION STATION NAME

22 HOURS (L.S.T.)

MAY

| 9.                | •                       |
|-------------------|-------------------------|
|                   |                         |
|                   | 9.                      |
|                   |                         |
|                   | 6.                      |
|                   | 9.                      |
|                   |                         |
|                   | 9.                      |
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| $\langle \rangle$ | $\langle \cdot \rangle$ |
| 9.                | 5.2                     |

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1100

1 =

155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

2000

O

1

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.) MAY YEARS 73-77 ALL MEATHER CONDITION STATION NAME AGANA, GUAM

| MEAN<br>WIND<br>SPEED   | 10.9 | 8.0      | 4.0  | 1.6  | 8.5  | 7.2 | 6.8 | 8.5 | 8.8 | 4.6 | 5.7 | 5.0 | 9.2 | 7.6 | 2.0        | 9.6 |       |           | 7.5   |
|-------------------------|------|----------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|-----|-------|-----------|-------|
| *                       | 2.5  | 3.2      | 13.3 | 30.2 | 27.0 | 6.0 | 3.9 | 3.3 | 2.7 | 1.0 | 2.  | 4.  | 4.  | 9.  | 9.         | 0.  |       | 3.2       | 10000 |
| 95<br>AI                |      | 7:       |      |      |      | .1  |     |     |     |     |     |     |     |     |            |     |       | X         | 2.    |
| 48 - 55                 |      |          |      |      |      |     | -:  |     |     |     |     |     |     |     |            |     |       | $\bigvee$ | 7:    |
| 41 - 47                 |      |          |      |      |      |     |     | •   |     |     |     |     |     |     |            |     |       | $\bigvee$ | 1.    |
| 34 - 40                 | .2   |          |      | 7.   |      |     |     |     |     |     |     |     |     |     |            |     |       | $\bigvee$ | .2    |
| 28 - 33                 |      |          |      |      |      |     |     |     |     |     |     |     |     |     |            |     |       | $\bigvee$ | •1    |
| 22 - 27                 | • 2  |          |      |      |      |     |     |     | 7.  | 7.  |     |     |     |     |            |     |       | $\bigvee$ | 4.    |
| 17 - 21                 | •2   | est<br>• |      | 7.   | 2.   |     |     |     |     | •   |     |     | • 1 |     |            |     |       | $\bigvee$ | 1.0   |
| ž.<br>.:                | .2   | *        | 1.3  | 5.7  | 7.0  | œ.  |     | .,  | 4.  |     |     |     | -:  | .2  |            | .2  |       | $\bigvee$ | 16.9  |
| 7 - 10                  | 1.   | •        | 4.3  | 11.1 | 11.5 | 2.7 | 1.3 | 1.2 | .7  | .5  | • 1 | • 2 |     | .2  |            | .2  |       | $\bigvee$ | 35.5  |
| 9:                      | 9.   | 6.       | 5.5  | 4.6  | 6.7  | 1.8 | 2.2 | r.  | 9.  | 7.  | 1.  |     | 2.  | .2  | <b>5</b> . | .2  |       | $\bigvee$ | 29.1  |
| 1.3                     | 5.   | 0.       | 2.5  | 3.7  | 1.5  | 1.5 | .3  | 9.  | 9.  | .2  | 1.  | 2.  | 1.  | 1.  | 1.         | -:  |       | $\bigvee$ | 13.1  |
| SPEED<br>(KNTS)<br>DIR. | z    | N.       | ¥    | E    | -    | ESE | *   | SSE | •   | SSW | SW  | WSW | *   | WNW | WW         | NNN | VARBL | CALM      |       |

0

0

0

0

1239

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0 1550

41406 STATION

-

NOURS (LS.T.)

NON

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

STATION MAME

AGANA, GUAM

41406

| MEAN<br>WIND<br>SPEED   |   | 2.0 | 3.8 | 5.1  | 5.8  | 6.7  | 5.9 | 4.5 | 3.0  |     |     |     | 3.0 | 2.0 |   |     |       |           | 5.0   |
|-------------------------|---|-----|-----|------|------|------|-----|-----|------|-----|-----|-----|-----|-----|---|-----|-------|-----------|-------|
| ×                       |   | 2.0 | 8.7 | 24.0 | 36.0 | 12.0 | 4.7 | 3.3 | 1.3  |     |     |     | 1.  |     |   |     |       | 6.7       | 100.0 |
| %<br>AI                 |   |     |     |      |      |      |     |     |      |     |     |     |     |     |   |     |       | $\bigvee$ |       |
| 48 - 55                 |   |     |     |      |      |      |     |     |      |     |     |     |     |     |   |     |       | X         |       |
| 41 - 47                 |   |     |     |      |      |      |     |     |      |     |     |     |     |     |   |     |       | $\bigvee$ |       |
| 34 - 40                 |   |     |     |      |      |      |     |     |      |     |     |     |     |     |   |     |       | $\bigvee$ |       |
| 28 - 33                 |   |     |     |      |      |      |     |     |      |     |     |     |     |     |   |     |       | $\bigvee$ |       |
| 12 - 22                 |   |     |     |      |      |      |     |     |      |     |     |     |     |     |   |     |       | $\bigvee$ |       |
| 17 - 21                 |   |     |     |      |      |      |     |     |      |     |     |     |     |     |   |     |       | $\bigvee$ | .7    |
| 11 - 16                 |   |     |     | ۲.   | 5.0  | 2.0  | ۲.  |     |      |     |     |     |     |     |   |     |       | $\bigvee$ | 5.3   |
| 7 . 10                  |   |     |     | 0.4  | 6.3  | 3.3  |     |     |      |     |     |     |     |     |   |     |       | $\bigvee$ | 17.3  |
| 9.7                     |   |     | 5.3 | 12,7 | 15.3 | 0.4  | 2.0 | 2.7 |      |     |     |     |     |     |   |     |       | $\bigvee$ | 45.0  |
| 1.3                     |   | 5.0 | 3.3 | 6.7  | 8.1  | 2.7  | 1.3 | 1.  | 1.33 |     |     |     |     | .7  |   |     |       | $\bigvee$ | 28.0  |
| SPEED<br>(KNTS)<br>DIR. | z | NN  | ž   | ENE  |      | ESE  | 35  | SSE | S    | SSW | NS. | WSW | *   | WNW | × | MNN | VARBL | CALM      |       |

SMOS DIRNAVOCEANMET

150

TOTAL NUMBER OF OBSERVATIONS

5702

0

SURFACE WINDS JAN 78

SURFACE WINDS JAN 78

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AGANA, GUAM

41406

3556

0

0

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER CONDITION STATION NAME

O.6 ROURS (L.S.T.)

SOL

| 28 · 33 34 · 40 41 · 47 48 · 55           |
|---|
|   |
| 7 2 2 3 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 |

DIRNAVOCEANMET SMOS

888

150

TOTAL NUMBER OF OBSERVATIONS

WIND SPEED

\*

28 . 33

22 . 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

5.0

10.0

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2.0

4.4

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4.3

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SURFACE WINDS JAN 78 0

2000 20

NOURS (L.S.T.) NONTH NO YEARS 73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

DIRECTION AND SPEED

1.3 2.7 11 48 - 55 . 47 7 34 - 40

TOTAL NUMBER OF OBSERVATIONS

130

5.1

100.0

4.7

26.7

34.0

26.7

CALM

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406

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\*N\* 3 3 2 VARBL

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WSW WSW

SSW

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80 118

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

0

1550

0

0

10 HOURS (L.S.T.) NONTE NO YEARS 73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

| SPEED (KNTS) 1-3 4-6 7-10 11-16 17-21 22-27 DIR. | - · · · · · · · · · · · · · · · · · · · | L.  | Y   | 2.0  | E 4.0 24.0 15.3 | ESE 2.7 9.3 3.3 .7 | .7 4.7 2.7 | 7. T. T. |     | ASS MSS |     | WSW | W 1.9 | WNW 1.3 | NA. | NNW | VARBL | CALIN |
|--|---|-----|-----|------|-----------------|--------------------|------------|----------|-----|---------|-----|-----|-------|---------|-----|-----|-------|-------|
| 28 - 33 34 - 40                                  |   |     |     |      |                 |                    |            |          |     |         |     |     |       |         |     |     |       | X     |
| 41.47  |   |     |     |      |                 |                    |            |          |     |         |     |     |       |         |     |     |       | X     |
| 48 . 55  |   |     |     |      |                 |                    |            |          |     |         |     |     |       |         |     |     |       | X     |
| 8  |   |     |     |      |                 |                    |            |          |     |         |     |     |       |         |     |     |       | X     |
| ,  | 1.3                                     |     | 2.0 | 20.7 | 43.3            | 16.0               | 8.0        | 2.0      | 1.3 |         |     |     | 2.0   | 1.3     |     |     |       |       |
| WIND<br>SPEED                                    | 3.5                                     | 8.0 | 8.7 | 9.5  | 10.0            | 9.1                | 10.2       | 8.0      | 4.0 |         | 8.0 |     | 0.4   | 4.5     |     |     |       |       |

1116

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150

TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

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150

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

13 NOURS (L.S.T.) NONTH YEARS 73-77 ALL MEATHER CONDITION STATION NAME AGANA, GUAM

| SPEED 1 · 3 4 DIR. | z   | NNE . | · · | EN EN | ·.   | ESE  | 25   | SSE |     | SSW | SW | wsw . | *   | WNW | N.  | NNW | VARBL | CALM      |   |
|--------------------|-----|-------|-----|-------|------|------|------|-----|-----|-----|----|-------|-----|-----|-----|-----|-------|-----------|---|
| • •                |     |       |     | 1.    | 2.0  | 1.3  |      | 1.  |     |     |    |       | 1.  | 1.  |     |     |       | V         |   |
| 7 . 10             |     |       | 1.3 | 0.0   | 17.3 | 12.0 | 0.8  | 2.0 | 1.  |     |    |       |     |     |     |     |       | X         |   |
| 11 . 16            | 1.  |       | 5.0 | 7.3   | 19.3 | 6.7  | 2.0  |     |     |     |    |       |     |     |     |     |       | $\bigvee$ |   |
| 17 . 21            |     |       |     |       |      |      |      |     |     |     |    |       |     |     |     |     |       | $\bigvee$ |   |
| 22 . 27            |     |       |     |       |      |      | ۲.   |     |     |     |    |       |     |     |     |     |       | $\bigvee$ |   |
| 28 - 33            |     |       |     |       |      |      |      |     |     |     |    |       |     |     |     |     |       | $\bigvee$ |   |
| 34 . 40            |     |       |     |       |      |      |      |     |     |     |    |       |     |     |     |     |       | $\bigvee$ |   |
| 41.4               |     |       |     |       |      |      |      |     |     |     |    |       |     |     |     |     |       | $\bigvee$ | - |
| 48 . 55            |     |       |     |       |      |      |      |     |     |     |    |       |     |     |     |     |       | X         |   |
| %<br>A1            |     |       |     |       |      |      |      |     |     |     |    |       |     |     |     |     |       | $\bigvee$ |   |
| ,                  | 1.3 |       | 4.7 | 14.7  | 39.3 | 20.0 | 10.7 | 2.7 | 100 |     |    | ٠.    | 1.3 | ۲.  | ۲.  |     |       | •         |   |
| WIND<br>SPEED      | 9.5 | 2.0   | 8.7 | 11.4  | 10.8 | 4.6  | 10.7 | 63  | 0.9 |     |    | 3.0   | 6.5 | 0.0 | 0.9 | 2.0 |       |           |   |

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

8.5

1.3

MEAN WIND SPEED

×

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

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1

z | X | X | X

0

9.6

9.8

2.7 18.0 50.7 11.3 6.7

4.8

## SURFACE WINDS

9 =

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION MAME

AGANA, GUAM

ALL WEATHER

YEARS

16 HOURS (L.S.T.)

NON THOM

CONDITION

3.3 .. . . . 33.3 3.3 4.0 24.7 1.3 20.0 1.3 4.7 0.4 1.3 45.3 . 3.3 2.0 2.0 ... 14.7 3.3 .

WSW

\*

XS.

WNW N N

SSW

s

VARBL

CALM

TOTAL NUMBER OF OBSERVATIONS

150

9.6

100.0

0

6.3

8.0

.

2.0

2.7

8.0

8000

1

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

989

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77 ALL WEATHER

STATION NAME

ACANA, GUAM

YEARS

19 HOURS (LS.T.)

NONTH

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1.3       | 9.7       | 7 - 10    | 11 - 16   | 17 . 21   | 22 - 27   | 28 - 33   | 34 - 40   | 41 - 47   | 48 - 55 | 95 AI     | ×     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-------|-----------------------|
| z                       |           | 1.3       |           |           |           |           |           |           |           |         |           | 2.0   | 6.3                   |
| N.K.                    |           | 1.3       | . 7       |           |           |           |           |           |           |         |           | 2.0   | 5.7                   |
| Z.                      |           |           | 3.3       |           |           |           |           |           |           |         |           | 4.7   | 6.3                   |
| ENE                     | 2.7       | 10.7      | 8.7       | 2.0       |           |           |           |           |           |         |           | 24.0  | 6.7                   |
|                         | 2.7       | 11.3      | 19.3      | 2.0       |           |           |           |           |           |         |           | 41.3  | 6.9                   |
| ESE                     |           | 2.3       | 0.4       |           |           |           |           |           |           |         |           | 10.7  | 6.5                   |
| SE                      | 1.3       | 2.7       | 2.0       | ۲.        |           |           |           |           |           |         |           | 1.0   | 6.5                   |
| SSE                     |           |           | 1.3       |           |           |           |           |           |           |         |           | 2.0   | 6.3                   |
| s                       |           |           |           |           |           |           |           |           |           |         |           |       |                       |
| SSW                     |           | 1.3       |           |           |           |           |           |           |           |         |           | 1.3   | 4.0                   |
| SW                      | .7        |           |           |           |           |           |           |           |           |         |           |       | 2.0                   |
| WSW                     |           |           |           |           |           |           |           |           |           |         |           |       |                       |
| *                       | 2.7       |           |           |           |           |           |           |           |           |         |           | 2.7   | 2.0                   |
| WWW                     |           |           |           |           |           |           |           |           |           |         |           |       |                       |
| NN                      | 7.        | 1.        |           |           |           |           |           |           |           |         |           | 1.3   | 3.5                   |
| NNW                     |           |           |           |           |           |           |           |           |           |         |           |       |                       |
| VIRBL                   |           |           |           |           |           |           |           |           |           |         |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ |       |                       |
|                         | 12.0      | 42.0      | 0.04      | 5.3       |           |           |           |           |           |         |           | 10000 | 6.4                   |

1100

DIRNAVOCEANMET SMOS

0

0:

0

1 =

150

TOTAL NUMBER OF OBSERVATIONS

100

41406 STATION

1550

0

0

0

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

200

S NOW THOM

YEARS

73-77

STATION NAME

AGANA, GUAM

41406

1550

0

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

| PERCENTAGE FREQUENCY OF WIND | DIRECTION AND SPEED | (FROM HOURLY OBSERVATIONS) |
|------------------------------|---------------------|----------------------------|
| PERCENTAGE F                 | DIRECTIO            | (FROM HOUR                 |

| ALL MOATZER | CLASS | СОМВІТІОМ |
|-------------|-------|-----------|
|             |       |           |

| 4.0 .7 .7   | SPEED<br>(KNTS)<br>DIR. | :    | •         | 7 - 10 | 1 . 16    | 17 . 21 | 22 - 27 | 28 - 33 | 34 - 40   | 41 - 47 | 48 . 55   | %<br>AI   | ×     |        |
|---|-------------------------|------|-----------|--------|-----------|---------|---------|---------|-----------|---------|-----------|-----------|-------|--------|
| 2.7 4.07<br>7.3 21.3 16.7<br>2.0 4.0 2.0<br>2.0 4.0 2.0<br>2.0 1.37<br>7. 3.37<br>7. 7 7  | z                       |      |           |        |           |         |         |         |           |         |           |           |       |        |
| 2.7 4.0 6.0<br>7.3 21.3 16.7<br>2.0 4.0 2.0<br>2.0 3.3 .7<br>7. 7 .7 .7 .7 .7 .7 .7 .7 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2   | Z                       | 1.3  |           |        |           |         |         |         |           |         |           |           | 1.3   |        |
| 7.3 21.3 16.7<br>2.0 4.0 2.0<br>2.0 4.0 2.0<br>2.0 1.3 .7<br>7. 7 7 7   | ¥                       | 2.7  | 4.0       | . 7    |           |         |         |         |           |         |           |           | 7.3   |        |
| 2.0 4.0 2.0<br>2.0 4.0 2.0<br>2.0 1.3 .7<br>7. 3.3 .7<br>7. 7. 7 .7 .7 .7 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2 .2  | Z                       | 0.4  | -         | 0.9    |           |         |         |         |           |         |           |           | 21.3  |        |
| 2.0 4.0 2.0 2.0 1.3 .7 7. 7. 7. 7. 7. 7. 7. 7. 3. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.   | •                       | 7.3  |           | 16.7   | 2.7       |         |         |         |           |         |           |           | 0.84  |        |
| 7. 5.3 7.7 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.  | ESE                     | 2.0  | 0.4       | 2.0    | 1.3       |         |         |         |           |         |           |           | 6.6   |        |
| 7. 5.8 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.   | 35                      | 2.0  |           |        |           |         |         |         |           |         |           |           | 4.0   |        |
| F. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.   | SSE                     |      |           |        |           |         |         |         |           |         |           |           | 0.4   |        |
| 1. V. X. Y. Y. Y. Y. Y. Y. Y. Y. Y. Y. Y. Y. Y.   | •                       | 1.3  |           | . 7    |           |         |         |         |           |         |           |           | 2.0   |        |
| r. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7.   | SSW                     |      |           |        |           |         |         |         |           |         |           |           |       |        |
| r. r.   | SW                      |      |           |        |           |         |         |         |           |         |           |           |       |        |
| 7.  | MSM                     |      |           |        |           |         |         |         |           |         |           |           |       |        |
| F. 7.5.   | *                       | 1.   |           |        |           |         |         |         |           |         |           |           |       |        |
| 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7. 7  | WWW                     |      |           |        |           |         |         |         |           |         |           |           |       |        |
| 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7  | WW                      | .7   |           |        |           |         |         |         |           |         |           |           | .,    |        |
| 7, 7, 2, 7, 3, 7, 2, 7, 3 | NNN                     |      |           |        |           |         |         |         |           |         |           |           |       | 100000 |
| 7, 7, 27, 37, 3   | VARBL                   |      |           |        |           |         |         |         |           |         |           |           |       |        |
| 2 7 37 3  | CALM                    | X    | $\bigvee$ | X      | $\bigvee$ | X       | X       | X       | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | 1.3   |        |
| 7   |                         | 22.0 | 44.7      | 27.3   | 4.7       |         |         |         |           |         |           |           | 100.0 |        |

0

150

TOTAL NUMBER OF OBSERVATIONS

2

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DIRNAVOCEANMET SMOS

0

0

6.7

5.2 3.3 7.1

MEAN WIND SPEED

36

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

4 . 6

1.3

8.3

5.7 4.1

5.7

11.2

3.3

5.4 3.8 Ţ

3.1

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

ALL MEATHER

YEARS

73-77

STATION NAME

AGAMA, GUAM

ALL HOURS (L.S.T.) NONTH

E

SURFACE WINDS

12 48 - 55 41 . 47 34 - 40

· ~

2.7

16.0

3.7

-

1.3

1.2 4.2

2.6

-

6. 2.7

r.r.

1.4 -: E.

SS SE SS

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-: .

WSW WSW

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SSW v

2.

-

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NW WWW

VARBL CALM TOTAL NUMBER OF OBSERVATIONS

1200

6.9

100.0

0

15.2

35.0

29.8

15.9

DIRNAVOCEANMET SMOS

1550

41406

1

0

0

0 0

0

1

0

SURFACE WINDS JAN 78 İ

SURFACE WINDS

B

3400

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER CLASS ALL

YEARS

73-77

STATION NAME

AGANA, GUAM

41406 STATION

O.I. NOURS (L.S.T.)

JUL HONTH

CONDITION

| WIND<br>WIND<br>SPEED | 6.4 | 4.8 | 3.9 | 4.0  | 5.2  | 5.6  | 4.1 | 4.0 | 3.0 | 7.0 |  |  |  |           | 3.9   |
|-----------------------|-----|-----|-----|------|------|------|-----|-----|-----|-----|--|--|--|-----------|-------|
| ,                     | 4.5 | 3.9 | 5.2 | 11.0 | 34.8 | 11.0 | 5.0 | 3.2 |     | 9.  |  |  |  | 18.7      | 100.0 |
| %<br>AI               |     |     |     |      |      |      |     |     |     |     |  |  |  | $\bigvee$ |       |
| 48 - 55               |     |     |     |      |      |      |     |     |     |     |  |  |  | M         |       |
| 41.4                  |     |     |     |      |      |      |     |     |     |     |  |  |  | $\bigvee$ |       |
| 34 . 40               |     |     |     |      |      |      |     |     |     |     |  |  |  | $\bigvee$ |       |
| 28 · 33               |     |     |     |      |      |      |     |     |     |     |  |  |  | $\bigvee$ |       |
| 22 - 27               |     |     |     |      |      |      |     |     |     |     |  |  |  | $\bigvee$ |       |
| 17 - 21               |     |     |     |      |      |      |     |     |     |     |  |  |  | $\bigvee$ |       |
| 11 . 16               | 9.  |     |     |      | 1.3  |      |     |     |     |     |  |  |  | X         | 1.9   |
| 2.                    | 9.  | 1.3 | 0.  | 1.3  | 0.6  | 4.5  | 1.3 | 9.  |     | 9.  |  |  |  | $\bigvee$ | 0.0   |

0.

0

s

SSW

14.8

SS SS SS

2.0

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1 1526

0

0

4.6

1.3

SPEED (KNTS) DIR.

WNW NN. VARBL

\*

WSW

SK

(-)

30.3

29.0

CALM

0

0

155

TOTAL NUMBER OF OBSERVATIONS

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5702 SURFACE WINDS JAN 78

mormr 8 2000

## SURFACE WINDS

HOURS (L.S.T.)

JUL

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

YEARS 73-77 ALL MEATHER

STATION NAME

AGANA, GUAM

41406

1550

0

CONDITION

DIRNAVOCEANMET SMOS

0

0

155

TOTAL NUMBER OF OBSERVATIONS

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NOURS (LST.

JUL

1

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77 ALL MEATHER

STATION NAME

ACANA, GUAM

41406 STATION

1 1550

0

0

CONDITION

YEARS

| SPEED<br>(KNTS)<br>DIR. | z   | N.  | ¥   | Z    | -    | ESE | *   | 38  | •   | SSW | SW  | WSW | * | WWW | WW   | NNW | VARBL | CALM      |  |
|-------------------------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|---|-----|------|-----|-------|-----------|--|
|                         | 1.3 | 2.6 | 5.2 | 6.5  | 10.3 | 9.  | 1.3 | 1.9 | 1.9 |     | 0.  |     |   |     |      | 1.3 |       | X         |  |
| :                       | 1.3 | 5.6 | 2.0 | 7.1  | 19.4 | 6.1 | 3.5 | 1.3 | 9.  |     |     |     |   |     |      |     |       | $\bigvee$ |  |
| 7 . 10                  |     | 0.  |     | 1.3  | 7.1  | 3.5 |     |     |     | 9.  |     |     |   |     |      |     |       | $\bigvee$ |  |
| 11 . 16                 |     |     |     |      | 1.3  |     | ٥.  |     |     |     |     |     |   |     | ٥.   |     |       | $\bigvee$ |  |
| 17 - 21                 |     |     |     |      |      |     |     |     |     |     |     |     |   |     |      |     |       | $\bigvee$ |  |
| <b>22</b> · 27          |     |     |     |      |      |     |     |     |     |     |     |     |   |     |      |     |       | $\bigvee$ |  |
| 28 · 33                 |     |     |     |      |      |     |     |     |     |     |     |     |   |     |      |     |       | $\bigvee$ |  |
| 34 - 46                 |     |     |     |      |      |     |     |     |     |     |     |     |   |     |      |     |       | $\bigvee$ |  |
| 41.4                    |     |     |     |      |      |     |     |     |     |     |     |     |   |     |      |     |       | $\bigvee$ |  |
| 48 · 55                 |     |     |     |      |      |     |     |     |     |     |     |     |   |     |      |     |       | $\bigvee$ |  |
| %<br>AI                 |     |     |     |      |      |     |     |     |     |     |     |     |   |     |      |     |       | $\bigvee$ |  |
| ,                       | 2.6 | 5.8 | 7.7 | 14.3 | 38.1 | 5.8 | 5.2 | 3.2 | 5.6 | 9.  | 0.  |     |   |     | 9.   | 1.3 |       | 11.0      |  |
| MEAN<br>WIND<br>SPEED   | 3.5 | 3.3 | 3.3 | 3.9  | 5.2  | 6.9 | 5.3 | 3.0 | 2.8 | 7.0 | 2.0 |     |   |     | 12.0 | 2.0 |       |           |  |

1

DIRNAVOCEANMET SMOS

0

955

155

TOTAL NUMBER OF OBSERVATIONS

1

-

5.6

MEAN WIND SPEED

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48 . 55

41 . 47

34 - 40

28 . 33

22 . 27

17 . 21

11 . 16

7 - 10

4.6

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SPEED (KNTS) DIR.

0

9.

4.0.0

4.0 0.0

8.1

0

5.2

2.0

0

0.

WSW WWW

SSW

3K

SS

0

N X

1.9

2.5

2.00.

N N N

0

0.1.2.2.1.0.

SE SE

0

SURFACE WINDS JAN 78

SURFACE WINDS

1

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

YEARS

NOURS (L.S.T.)

JOL

77-67

ALL MEATHER

STATION NAME

AGANA, GUAM

CONDITION

100.0

0

2.5 3.0 0.0

0 0 0

1

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2.6

TOTAL NUMBER OF OBSERVATIONS

0

19.6

4.00

19.4

15.5

0

3

CALM

VARBL

0

135

7.5

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DIRNAVOCEANMET SMOS

125 95 92181

1550

1

41406 STATION

0

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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7

1

13 HOURS (L.S.T.)

25.

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

12595 62181

73-77 ALL MEATHER

STATION NAME

AGANA, GUAM

41406 STATION

1

0

0

YEARS

CONDITION

| SPEED<br>(KNTS)<br>DIR. | 1.3       | ;         | 7 . 10    | 11 . 16 | 17.21 | 22 - 27   | 28 - 33   | 34 - 40   | 41.4 | 48 - 55 | 8         | ×     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|---------|-------|-----------|-----------|-----------|------|---------|-----------|-------|-----------------------|
| z                       |           | 9.        |           |         |       |           |           |           |      |         |           | 9.    | 6.0                   |
| N.                      |           |           | 1.9       | 9.      |       |           |           |           |      |         |           | 2.6   | 6.3                   |
| ¥                       |           | 9.        |           | 9.      |       |           |           |           |      |         |           | 3.2   | 8.6                   |
| ENE                     | 9.        | 1.9       | 5.2       | 1.9     |       |           |           |           | 4    |         |           | 6.4   | 8.5                   |
|                         | 0.        | 5.8       | -         | 12.9    |       |           |           |           |      |         |           | 32.3  | 9.1                   |
| ESE                     | 1.3       | 4.5       |           | 4.5     |       |           |           |           |      |         |           | 20.0  | 8.3                   |
| 35                      | 9.        | 5.6       | 3.2       | 3.2     |       |           |           |           |      |         |           | 4.6   | 8.8                   |
| SSE                     | 1.3       |           | 3.2       | 9.      |       |           |           |           |      |         |           | 2.5   | 8.0                   |
| •                       | 9.        | 1.9       | 9.        |         |       |           |           |           |      |         |           | 3.2   | 4.6                   |
| SSW                     |           |           |           |         |       |           |           |           |      |         |           |       |                       |
| AS.                     |           | 9.        |           |         |       |           |           |           |      |         |           | 9.    | 5.0                   |
| WSW                     | 9.        |           | 9.        |         |       |           |           |           |      |         |           | 1.3   | 5.0                   |
| *                       | 9.        | -;        |           | 1.3     |       |           |           |           |      |         |           | 3.2   | 8.2                   |
| WWW                     |           | 1.3       |           |         |       |           |           |           |      |         |           | 1.3   | 5.0                   |
| ¥                       | 9.        | 9.        |           |         |       |           |           |           |      |         |           | 1.3   | 3.5                   |
| NNW                     |           | I.3       | 1.3       | 9.      |       |           |           |           |      |         |           | 3.2   | 7.4                   |
| VARBL                   |           |           |           |         |       |           |           |           |      |         |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X     | $\bigvee$ | $\bigvee$ | $\bigvee$ | X    | X       | $\bigvee$ | 1.9   |                       |
|                         | 7.1       | 23.2      | 41.3      | 26.5    |       |           |           |           |      |         |           | 100.0 | 8.4                   |

0

0

0

0

188

0

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9-9

155

TOTAL NUMBER OF OBSERVATIONS

1

DIRNAVOCEANMET SMOS

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SURFACE WINDS

16 HOURS (1.5.T.

JUL

0 5702 SURFACE WINDS JAN 78

8.5

MEAN WIND SPEED

12

. 55 4

41 . 47

34 - 40

8

28

0

0

8.3

31.6

0

0

1

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5.6

6.5

7.5

0.2 1.0 0.9 3.3 00.1 3.0 200

(9)

0

0

7.1

100.0

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155

1

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TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

YEARS

MEATHER

ALL

STATION NAME

AGANA, GUAM

41406

27

22

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SPEED (KNTS) DIR.

1.000 1.9

083.60

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- 2 2 2

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1.9

0.5

NW NW NNW

WSW SSW 3K \* 50

0 (3)

1

14.8

38.7

29.0

14.2

CALM

0

0

0 0 0 0 0 0 0 0

TOTAL NUMBER OF OBSERVATIONS

1

SURFACE WINDS

200

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GUAM

41406 STATION

YEARS

73-77 ALL MEATHER

POURS CLST.

JUL

CONDITION

| -              |           |           |        |     |         |         |           |           |           |         |           |          |      |
|----------------|-----------|-----------|--------|-----|---------|---------|-----------|-----------|-----------|---------|-----------|----------|------|
| (KNTS)<br>DIR. | :         | ;         | 7 - 10 |     | 17 - 21 | 22 - 22 | 28 · 33   | ¥.        | 41 . 43   | 48 . 55 | 8         |          | WIND |
| z              | 1.3       | 1.3       | 9.     |     |         |         |           |           |           |         |           | 3.2      | 4.6  |
| N.N.           |           | 1.9       | 1.9    |     |         |         |           |           |           |         |           | 3.9      | 6.2  |
| Z.             | 2.6       | 2,6       |        | ٥.  |         |         |           |           |           |         |           | 80<br>80 | 4.3  |
| Z              | 5.2       | 3.9       | 7.0    |     |         |         |           |           |           |         |           | 11.0     | 4.5  |
|                | 80        | 0.6       | 20.6   |     |         |         |           |           |           |         |           | 38.1     | 6.1  |
| ESE            | 2.6       | 5.6       | 5.0    | ٥.  |         |         |           |           |           |         |           | 11.6     | 6.3  |
| 35             | 9.        | 2.6       | 1.3    |     |         |         |           |           |           |         |           | 4.5      | 5.7  |
| SSE            | 1.3       | 1,3       |        |     |         |         |           |           |           |         |           | 2.6      | 3.5  |
| s              | 1.9       |           | 9.     |     |         |         |           |           |           |         |           | 2.6      | 3.8  |
| SSW            |           |           |        |     |         |         |           |           |           |         |           |          |      |
| SW             |           |           |        |     |         |         |           |           |           |         |           |          |      |
| WSW            | 9.        |           |        |     |         |         |           |           |           |         |           | 9.       | 2.0  |
| *              |           |           |        |     |         |         |           |           |           |         |           |          |      |
| WNW            | 9.        |           |        |     |         |         |           |           |           |         |           | 9.       |      |
| XX             | 2.6       | 9.        |        |     |         |         |           |           |           |         |           | 3.2      | 3.0  |
| NNN            | 1.3       | 0.        |        |     |         |         |           |           |           |         |           | 1.9      | 2.7  |
| VARBL          |           |           |        |     |         |         |           |           |           |         |           |          |      |
| CALM           | $\bigvee$ | $\bigvee$ | X      | X   | X       | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | 10.3     |      |
|                | 29.0      | 26.5      | 32.9   | 1.3 |         |         |           |           |           |         |           | 100.0    | 4    |

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

155

TOTAL NUMBER OF OBSERVATIONS

0

0

1

22 HOURS (L.S.T.)

JUL

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

8 11 8

SURFACE WINDS

ALL MEATHER

STATION NAME

AGANA, GUAM

73-77

YEARS

CONDITION

| 6. 7.10 11.16<br>6. 6. 6. 6. 7.10 11.16<br>7.1 1.9 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. | 7.10 11.9 | 7.10 11.16                    | 7.10 11.16 17.21<br>66 1.9<br>7.9 .6<br>8 3.9 .6 | 7 · 10 11 · 16 17 · 21 22 · 27 28 · 33 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | 7.10 11.16 17.21 22.27<br>6 1.9<br>1.9 .6<br>8 3.9 .6 | 7.10 11.16 17.21 22.27 28.33 34.40<br>6<br>6<br>1 1.9<br>5 5.7<br>8 3.9 | 7.10 11.16 17.21 22.27 28.33 34.40 41.47<br>6<br>6<br>1 1.9<br>5 5.7<br>8 3.9 .6 | 7.10 11.16 17.21 22.27 28.33 34.40 41.47 48.55 ≥56 %  6 |
|---|-----------|-------------------------------|--|--|---|---|--|---|
| Ė   | 2         | 11 · 16 17 · 21 9 • 6 • 6 • 6 | 11.16 17.21 22.27<br>6.6                         | 11.16 17.21 22.27 28.33<br>• 6<br>• 6                                    | 11.16 17.21 22.27 28.33 34.40                         | 11.16 17.21 22.27 28.33 34.40 41.47<br>• 6                              | 11.16 17.21 22.27 28.33 34.40 41.47 48.55<br>• 6 • 6                             | 11.16 17.21 22.27 28.33 34.40 41.47 48.55 ≥56           |
| <u> </u>  | 2         | 11 . 16 17 . 21               | 11.16 17.21 22.27<br>6.0                         | 11 · 16 17 · 21 22 · 27 28 · 33 6 · 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6        | 11.16 17.21 22.27 28.33 34.40                         | 11.16 17.21 22.27 28.33 34.40 41.47                                     | 11.16 17.21 22.27 28.33 34.40 41.47 48.55<br>.6                                  | 11.16 17.21 22.27 28.33 34.40 41.47 48.55 ≥56           |
|   | 17 - 21   |                               | 22 . 22  | 22 - 27  | 22 - 27 28 - 33 34 - 40                               | 22 - 27 28 - 33 34 - 40 41 - 47   | 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55  | 22 · 27   |

0

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DIRNAVOCEANMET SMOS

1550

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41406 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

3410

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ALL HOURS (LS.T.)

JUL

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER STATION NAME

AGANA, GUAM

41406

0

3226

| MEAN<br>WIND<br>SPEED   | 5.2 | 5.2 | 4.2 | 5.3  | 0.0  | 7.1  | 6.5 | 5.4 | 4.3 | 6.1 | 5.0 | 4.4 | 6.5 | 3.4 | 5.8 | 4.6 |       |           | 5.5   |
|-------------------------|-----|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|-------|
| ,                       | 5.4 | 3.6 | 5.6 | 12.2 | 34.0 | 13.2 | 9.0 | 4.2 | 2.1 | 9.  | *   | 9.  | 1.0 | •   | 7.0 | 1.3 |       | 4.6       | 100.0 |
| %<br>Al                 |     |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| <b>8</b> · 55           |     |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| 41 . 43                 |     |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| ¥ .                     |     |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| 28 · 33                 |     |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| 22 - 27                 |     |     |     |      |      |      |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| 17 . 21                 |     |     |     |      |      | •    |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| 1 . 16                  | .2  | .2  | .2  | 9.   | 4.4  | 1.7  | 6.  | -:  |     |     |     |     | .2  |     | .2  | 7.  |       | $\bigvee$ | 8.8   |
| 7 . 10                  | · · | 1.0 | æ.  | 2.8  | 11.4 | 5.9  | 2.0 | 1.5 | 9.  | *.  | • 5 | .2  | 1.  |     | 7.  | 2.  |       | $\bigvee$ | 27.6  |
| ;                       | s.  | 1.0 | 1.7 | 8.4  | 11.3 | 3.5  | 2.3 | 1.0 | 1.0 | .2  |     | 7.  | 4.  | . 3 | .5  | 0.  |       | $\bigvee$ | 29.5  |
| ::                      | 1.0 | 1.3 | 5.9 | 0.4  | 6.9  | 2.0  | 1.5 | 1.5 | 1.2 | -:  | .2  |     |     | .5  | 9.  |     |       | $\bigvee$ | 24.7  |
| SPEED<br>(KNTS)<br>DIR. | z   | ZZ. | ¥   | Z.   | -    | 125  | SE  | SSE | •   | SSW | SW  | WSW | *   | WNW | NA  | NNN | VARBL | CALM      |       |

0

TOTAL NUMBER OF OBSERVATIONS

1240

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DIRNAVOCEANMET SMOS

0

1

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

| AUG         | KONTR        | 01          | NOURS (L.S.T. |            |
|-------------|--------------|-------------|---------------|------------|
| 73-77       | YEARS        | ALL WEATHER | CLASS         | TOTALINATO |
| AGANA, GUAM | STATION NAME |             |               |            |

| NE     1.9     1.3       ENE     5.8     9.0     1.9       ESE     1.9     5.2     .0       SSE     1.9     5.2     .0       SSE     1.3     1.9     1.3       SSW     .0     .0     .0       W     1.3     .0     .0       WNW     1.3     .0     .0 | 1.9 1.3 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9   | 1.9 1.3<br>7.1 9.7 2.6<br>1.9 5.2 .6<br>4.5 1.9 .9 1.9<br>1.3 1.9 .6<br>6.6 .6 | 1.9 1.3<br>5.8 9.0 1.9<br>7.1 9.7 2.6<br>1.9 5.2 .6<br>1.3 1.9 1.9 1.3<br>3.9 3.9 1.9 1.3<br>6. 6 .6 .6 |
|---|---|--|---|
| 7.1 9.7 2.6<br>1.9 5.2 .6<br>4.5 1.9<br>1.3 1.9 1.9 1.3<br>6.6<br>6.6<br>1.3 .6 .6  | 7.1 9.7 2.6<br>1.9 5.2 .6<br>4.5 1.9<br>1.3 1.9 1.9 1.3<br>3.9 3.9 1.9 1.3<br>6. 6<br>1.3 .6 .6 | 7.1 9.7 2.6<br>1.9 5.2 .6<br>1.3 1.9 1.9 1.3<br>3.9 3.9 1.9 1.3<br>.6 .6 .6 .6 | 7.1 9.7 2.6<br>1.9 5.2 .6<br>4.5 1.9<br>1.3 1.9 1.9 1.3<br>3.9 3.9 1.9 1.3<br>1.3 .6 .6 .6              |
| 4.5 1.9<br>1.3 1.9 1.3<br>3.9 3.9 1.9 1.3<br>.6 .6 .6 .6  | 4.5 1.9<br>1.3 1.9 1.9 1.3<br>3.9 3.9 1.9 1.3<br>.6 .6 .6 .6                                    | 4.5 1.9<br>1.3 1.9 1.3<br>3.9 3.9 1.9 1.3<br>.6 .6 .6<br>1.3 .6 .6             | 4.5 1.9<br>1.3 1.9 1.3<br>3.9 3.9 1.9 1.3<br>.6 .6 .6 .6  |
| 3.9 3.9 1.9 1.3<br>.6 .6 .6 .6  | 3.9 3.9 1.9 1.3<br>.6 .6 .6 .6 .6   | 3.9 3.9 1.9 1.3<br>.6 .6 .6 .6 .6  | 3.9 3.9 1.9 1.3   |
| 1.3 .6 .6   | 1.3   | 1.3  | 1.3   |
| 1.3   | 1.3   | 1.3  | 1.3   |
| 1.3 .6 .6   | 0. 0.   | 0.   | 0.  |
| 1.3 .6  | 1.3 .6  | 1.3  | 1.3   |
|   | WM  | NW NKW   | NW<br>NNW<br>VARBL  |

9888

DIRNAVOCEANMET SMOS

0

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0 1550

41406 STATION

TOTAL NUMBER OF OBSERVATIONS

AVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

6000

O.4 HOURS (L.S.T.)

AUG

YEARS

73-77

STATION NAME

ACANA, GUAM

41406 STATION

1

1526

0

SURFACE WINDS

ALL MEATHER CONDITION

| KNTS) 1       | z   | NNE | ¥ X |     | -    | ESE  | 35  | SSE | 8     | SSW | WS | WSW  | *   | WNW | WW  | NNN | 'ARBL | CALM      | 2     |
|---------------|-----|-----|-----|-----|------|------|-----|-----|-------|-----|----|------|-----|-----|-----|-----|-------|-----------|-------|
| e:            | 0.  | 9.  | 1.9 | 5.8 | 4.6  | 1.1  | 1.3 | 5.6 | 1.9   | 9.  |    |      |     |     |     |     |       | V         | 23.9  |
| • •           | 9.  | 1.3 | 3.2 | 5.6 | 0.6  | 3.2  | 5.6 | 3.9 | 3.2   | 9.  |    | 9.   | 9.  | ç.  |     |     |       | X         | 37.3  |
| 7 . 10        |     | 9.  |     | 9.  | 2.0  | 2.6  |     | 1.3 |       | 1.3 |    |      | 1.9 |     | 9.  |     |       | $\bigvee$ | 4     |
| 81 - 11       |     |     |     |     |      |      |     |     | 9.    | 1.3 |    | 9.   |     |     |     |     |       | $\bigvee$ | 3.6   |
| 17 . 21       |     |     |     |     |      |      |     |     |       |     |    | 9.   |     |     |     |     |       | $\bigvee$ | 4.    |
| 22 - 27       |     |     |     |     |      |      |     |     |       |     |    |      |     |     |     |     |       | $\bigvee$ |       |
| 28 - 33       |     |     |     |     |      |      |     |     |       |     |    |      |     |     |     |     |       | $\bigvee$ |       |
| 34 - 40       |     |     |     |     |      |      |     |     |       |     |    |      |     |     |     |     |       | $\bigvee$ |       |
| 41 - 47       |     |     |     |     |      |      |     |     |       |     |    |      |     |     |     |     |       | $\bigvee$ |       |
| 48 - 55       |     |     |     |     |      |      |     |     |       |     |    |      |     |     |     |     |       | $\bigvee$ |       |
| 85<br>Al      |     |     |     |     |      |      |     |     |       |     |    |      |     |     |     |     |       | $\bigvee$ |       |
| *             | 1.3 | 9.5 | 5.2 | 0.5 | 21,3 | 13.5 | 3.9 | 7.7 | 20.00 | 3.9 |    | 6.1  | 2.6 | ç.  | 9.  |     |       | 0.02      | 0.001 |
| WIND<br>SPEED | 3.5 | 5.5 | 3.5 | 3.3 | 4.1  | 3.7  | 0.4 | 4.  | 4     | 8   |    | 12.0 | 7.5 | 0.4 | 8.0 |     |       |           | 3.4   |

5.5

14.2

6.9

3.7 6.1 6.8

3.9

0

1.3

1.9

5.9

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9.

0 0

0 10

WSW

SW

SSW

8

WNW N × VARBL CALM

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1.3

9.

2.0

11.9

5.2

N N N

0

3.6 0.4 MEAN WIND SPEED 9 20

×

12

48 - 55

41 . 47

34 - 40

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

4 . 6

1.3

SPEED (KNTS) DIR.

282

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOURS (LS.T.) AUG

1

73-77 ALL MEATHER

STATION NAME

AGANA, GUAM

41406 STATION

YEARS

CONDITION

10.0

6.1

10.0

0

0.9

1.3

0

12.3

TOTAL NUMBER OF OBSERVATIONS

155

4.3

100.0

9.

3.5

12.3

41.9

29.7

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0

DIRNAVOCEANMET SMOS

20

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1552

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35 SE 55

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

ALL WEATHER

STATION MAME

ACANA, GUAM

41406 STATION

YEARS

10 HOURS (L.S.T.)

AUG

CONDITION

5.0 5.0 1:5 8.1 MEAN WIND SPEED 25.8 16.8 7.1 8.4 4.5 6.5 947 × 71

. 55 \$

41 - 47

34 - 40

. 33

78

22 - 27

17 - 21

11 - 16

7 - 10

1.3

SPEED (KNTS) DIR.

0

4.6

6.3

3.5

9.5

3.0

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WNW

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WSW

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NNW

CALM

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6.5

6.9 7:1

7.2 1.9

155 100.0 TOTAL NUMBER OF OBSERVATIONS . 11.6 47.7 27.7 10.3

DIRNAVOCEANMET SMOS

2235 62181

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

1558

0

6:1

15.5 7.1

3.2

1.9 9.

1.3 1.3 1.3

3.2

5.6

1.9

SSW

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0.1

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z | X | X | X

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SURFACE WINDS JAN 78

0.9 5.1 MEAN WIND SPEED

12

48 - 55

41 - 47

34 - 40

28 . 33

22 - 27

17 - 21

11 - 16

7 - 10

4.6

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SPEED (KNTS) DIR.

13 HOURS (LS.T.) AUG

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

DIRECTION AND SPEED

YEARS

73-77

NEATHER CLASS

ALL

STATION NAME

AGANA, GUAM

CONDITION

14.8 1 2 5 A 5.8 5.8

4.6

1.1

7.5 8.8 ==

80 80 80 W Q. R.

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1.3 1.3

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WSW

SSW

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VARBL

CALM

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WNW

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7.1 4.8

4.3 2.6

1.1

3.2

1.3

3.9

0. 9.

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3.2

9.3

155

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914

8.1

100.0

6.1

18.7

43.2

25.2

10.3

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

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41406

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

|            | COMMYNA                    |              |
|------------|----------------------------|--------------|
| NOURS (L.S | CIASS                      |              |
| 16         | ALL MEATHER                |              |
| HONTH      | YEARS                      | STATION NAME |
| AUG        | 73-77                      | AGANA, GUAM  |
|            | (FROM HOURLY OBSERVATIONS) |              |

| (KNTS) | 1.3       | • •       | 7.10      | 11 - 16   | 17 - 21 | 12 - 22   | 28 - 33   | 34 - 40 | 41.47     | 48 · 55 | %<br>AI   | *     | WIND |
|--------|-----------|-----------|-----------|-----------|---------|-----------|-----------|---------|-----------|---------|-----------|-------|------|
|        | 1.3       |           | 9.        |           |         |           |           |         |           |         |           | 1.9   | 0.4  |
| W.     |           | 9.        | 1.3       | 9.        |         |           |           |         |           |         |           | 2.6   | 8.5  |
| ¥      |           | 1.3       | 1.9       |           |         |           |           |         |           |         |           | 3.2   | 7.0  |
| ENE    | 1.3       | 1.3       | 5.8       | 1.9       |         |           |           |         |           |         |           | 10.3  | 8.0  |
| E      | 1.3       | 4.3       | 11.6      | 3.5       |         |           |           |         |           |         |           | 24.5  | 7.8  |
| ESE    |           | 2.0       | 0.6       | 1.3       |         |           |           |         |           |         |           | 12.9  | 8.2  |
| 35     | 1.3       | 3.9       | 2.6       | ٥.        |         |           |           |         |           |         |           | 8.4   | 4.0  |
| SSE    | 2.6       | 1.9       | 1.9       |           |         |           |           |         |           |         |           | 6.9   | 5.1  |
| s      |           | 3.2       | 5.6       | 1.3       | 9.      |           |           |         |           |         |           | 7.7   | 8.7  |
| SSW    | 9.        |           | 9.        | 1.9       |         |           |           |         |           |         |           | 3.2   | 4.6  |
| NS.    |           |           | 1.3       | 9.        |         |           |           |         |           |         |           | 1.9   | 6.6  |
| WSW    | 9.        | 9.        | 1.3       |           |         |           |           |         |           |         |           | 2.0   | 6.3  |
| *      | ٥.        | 1.3       | 1.3       | 1.9       |         |           |           |         |           |         |           | 5.5   | 7.9  |
| WWW    |           | 2.6       |           |           |         |           |           |         |           |         |           | 2.0   | 4.3  |
| ¥      |           | 9.        | 1.3       |           |         |           |           |         |           |         |           | 6.1   | 7.7  |
| NNN    | 9.        | 6.1       |           |           |         |           |           |         |           |         |           | 5.6   | 0.4  |
| VARBL  |           |           |           |           |         |           |           |         |           |         |           |       |      |
| CALM   | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | X       | $\bigvee$ | 1.9   |      |
|        | 10.3      | 30.3      | 43.2      | 13.5      | 9.      |           |           |         |           |         |           | 100.0 | 7.3  |

STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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# PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

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DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| AUG         | HUNNTH       | 61          | NOURS (L.S.T.) |           |
|-------------|--------------|-------------|----------------|-----------|
| 7           | YEARS        |             |                |           |
| 77-67       |              | ALL WEATHER | CIASS          | CONDITION |
| AGANA, GUAM | STATION NAME |             |                |           |

| SPEED 1               | z   | N. N. | w w |      |      | ESE | SE  | SSE | •   | SSW | NS. | WSW |     | WNW | N.  | MNN | VARBL | CALM      | - |
|-----------------------|-----|-------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|---|
| ::                    | 1.3 | 3.2   | 1.3 | 4.5  | 5.8  | 2.6 | 3.2 | 2.0 | 2.6 | 3.2 | 9.  |     | 1.3 |     | 9.  | 9.  |       | $\bigvee$ | 2 |
| • •                   | 9.  | 1.3   | 1.9 | 1.1  | 16.1 | 5.8 | 3.2 | 0.  | 5.6 | 9.  | 1.3 | 9.  | 1:9 |     | 9.  |     |       | X         |   |
| 7 - 10                | 9.  |       | 1.3 | 1.00 | 6.1  | 1.3 | 1.3 |     |     | 9.  | g.  | 0.  | 1.3 |     | 9.  |     |       | $\bigvee$ | , |
| 11 . 16               |     |       |     | o.   |      |     |     | 9.  |     | 1.3 | ٥.  | 0.  | 9.  |     |     |     |       | $\bigvee$ |   |
| 17 - 21               |     |       |     |      |      |     |     |     |     |     | 1.3 |     |     |     | 0   |     |       | $\bigvee$ |   |
| 22 - 27               |     |       |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |   |
| 28 - 33               |     |       |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |   |
| 34 . 46               |     |       |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |   |
| 4 . 14                |     |       |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |   |
| 48 · 55               |     |       |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |   |
| <b>%</b>              |     |       |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |   |
| *                     | 2.6 | 4.5   | 4.5 | 13.5 | 23.9 | 6.1 | 7.7 | 3.9 | 5.2 | 5.8 | 4.5 | 1.9 | 5.2 |     | 5.6 | 9.  |       | 3.9       |   |
| MEAN<br>WIND<br>SPEED | 3.8 | 3.3   | 4.3 | ,    | 4.5  | 4.7 | 4.7 | 4.3 | 3.5 | 5.3 | 9.6 | 8.7 | 5.5 |     | 6.3 | 3.0 |       |           |   |

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DIRNAVOCEANMET SMOS

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155

TOTAL NUMBER OF OBSERVATIONS

155

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AGAMA, GUAM

41406

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1

SURFACE WINDS

73-77 ALL WEATHER CONDITION STATION NAME

22 HOURS (LST.)

AUG

YEARS

| SPEED<br>KNTS)<br>DIR. | 1.3       | •         | 7 - 10    | 91 . 11   | 17 - 21 | 22 - 27   | 28 - 33   | 34 - 40   | 41 - 47   | 48 - 55   | %<br>%    |       | WEAN<br>WIND<br>SPEED |
|------------------------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z                      | 1.9       | 1.3       |           |           |         |           |           |           |           |           |           | 3.2   | 3.0                   |
| N N                    | 1.9       | 1.3       |           |           |         |           |           |           |           |           |           | 3.2   | 3.4                   |
| ¥                      | 3.2       | 1.9       | 9.        |           |         |           |           |           |           |           |           | 30    | 3.8                   |
| ENE                    | 6.5       | 6.5       | 1.3       |           |         |           |           |           |           |           |           | 14.2  | 4.1                   |
|                        | 7.1       | 12.9      | 3.2       |           |         |           |           |           |           |           |           | 23.2  | 4.5                   |
| ESE                    | 3.2       | 6.9       | 1.3       |           |         |           |           |           |           |           |           | 11.0  | 4.2                   |
| 25                     | 9.        | 5.0       | 0.        |           |         |           |           |           |           |           |           | 3.9   | 4.7                   |
| SSE                    | 3.9       | 1.3       | •         |           |         |           |           |           |           |           |           | 5.8   | 5.9                   |
| 5                      | 3.9       | 1.3       | 9.        | 1.3       |         |           |           |           |           |           |           | 7.1   | 5.5                   |
| SSW                    | 1.3       | 1.9       | 9.        | 9.        |         |           |           |           |           |           |           | 5.5   | 6.0                   |
| SW                     |           |           |           | 9.        |         |           |           |           |           |           |           | 9.    | 14.0                  |
| WSW                    |           | 0.        |           |           |         |           |           |           |           |           |           | 9.    | 4.0                   |
| *                      | 1.9       | 9.        | 1.3       | 9.        |         |           |           |           |           |           |           | 4.5   | 5.3                   |
| WNW                    |           | 9.        |           |           |         |           |           |           |           |           |           | 0.    | 0.4                   |
| ××                     |           |           |           |           |         |           |           |           |           |           |           |       |                       |
| NNN                    | 9.        |           | 9.        |           |         |           |           |           |           |           |           | 1.3   | 0.0                   |
| /ARBL                  |           |           |           |           |         |           |           |           |           |           |           |       |                       |
| CALM                   | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 10.3  |                       |
|                        | 36.1      | 39.4      | 11.0      | 3.2       |         |           |           |           |           |           |           | 100.0 | 4.0                   |

DIRNAVOCEANMET SMOS

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ALL HOURS (LST.)

AUG

1

YEARS PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-77 STATION NAME NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC AGANA, CUAN

ALL WEATHER

CONDITION

| SPEED<br>(KNTS)<br>DIR. | ::        | •         | 7 - 10     | 11 - 16   | 17 - 21 | 22 - 27 | 28 - 33   | 34 - 40   | 41.0      | 48 - 55 | \$<br>Al  | *     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|------------|-----------|---------|---------|-----------|-----------|-----------|---------|-----------|-------|-----------------------|
| z                       | ::        | 1.        | ir)        |           |         |         |           |           |           |         |           | 2.3   | 4.1                   |
| W X                     | 1.0       | 1.0       | <b>*</b> • | 2.        |         |         |           |           |           |         |           | 5.6   | 5.0                   |
| ¥                       | 1.9       | 2.0       | ·          |           |         |         |           |           |           |         |           | 4.8   | 4.5                   |
| E                       | 0.4       | e . +     | 2.8        | 5.        |         |         |           |           |           |         |           | 12.0  | 5.1                   |
| w                       | 4.8       | 10.2      | 5.9        | 1.4       |         |         |           |           |           |         |           | 22.5  | 5.9                   |
| ESE                     | 5.4       | 4.7       | 4.4        | 8,        |         |         |           |           |           |         |           | 12.3  | 6.3                   |
| SE                      | 1.8       | 2.7       | 7.7        | •         |         |         |           |           |           |         |           | 1.7   | 5.9                   |
| SSE                     | 2.3       | 1.1       | 1.3        | 7.        |         |         |           |           |           |         |           | 5.5   | 4.9                   |
| 5                       | 7.4       | 5.3       | 1.6        | 1.0       | .2      | 1.      |           |           |           |         |           | 7.7   | 4.9                   |
| SSW                     | 1.0       | 1.0       | 1.2        | 1.0       | •       |         |           |           |           |         |           | 4.3   | 7.0                   |
| SW                      | 7.        | •         | 0.         | £.        | e 3     |         |           |           |           |         |           | 1.5   | 10.0                  |
| WSW                     | 2.        | 0.        | •          | 6.        | •       |         |           |           |           |         |           | 1.6   | 7.8                   |
| *                       | 6.        |           | 1:1        | ю.        |         |         |           |           |           |         |           | 3.6   | 6.9                   |
| WNW                     | .2        | 1.1       |            | 7:        |         |         |           |           |           |         |           | 1.4   | 4.6                   |
| ×                       | 7.        | 4.        | • 2        |           | •       |         |           |           |           |         |           | 1.2   | 6.7                   |
| NNN                     | 4.        | 2.        |            |           |         |         |           |           |           |         |           | •     | 4.1                   |
| VARBL                   |           |           |            |           |         |         |           |           |           |         |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$  | $\bigvee$ | X       | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | 8.9   |                       |
|                         | 24.5      | 34.4      | 23.8       | 7.5       | Œ       | -       |           |           |           |         |           | 100.0 | 5.4                   |

1240

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

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1550

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908

149

TOTAL NUMBER OF OBSERVATIONS

31.5

NW VARSL

CALM

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NN.

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WSW

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SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

YEARS 73-77 ALL WEATHER STATION NAME

CONDITION

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DI NOURS CLET.

SEP

0.9 5.3 3.0 3.4 5.4 0.4 5.0 4.6 6.3 16.0 4.1 MEAN WIND SPEED 3.4 15.4.4 2.7 2.0 100.0 . 18.1 2 48 . 55 41 - 47 34 - 40 28 . 33 22 - 27 17 - 21 5.0 5.4 ... . 11 . 16 16.8 . 1.3 0.9 1.3 1.3 ... . 2.7 7 . 10 . 3.4 1.3 28.2 1.3 4.6

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SPEED (KNTS) DIR.

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SSW SW

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DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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ACANA, GUAM

41406

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SURFACE WINDS JAN 78 5702

## SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

HOURS (LS.T.) MONTH 40 SEP YEARS 73-77 ALL MEATHER STATION NAME AGANA, GUAM

CONDITION

| 1.3<br>1.3<br>7. 7.2  | SPEED<br>(KNTS)<br>DIR. | ::        | •         | 7 - 10    | 1 . 16    | 17 - 21   | 22 - 27 | 28 - 33   | 34 - 40   | 4.4       | 48 . 55 | 8         | ,     | MEAN<br>WIND<br>SPEED |
|---|-------------------------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|---------|-----------|-------|-----------------------|
| 1.3 2.07 3.4 2.0 5.7 2.0 4.7 10.7 2.0 1.3 2.7 1.3 1.3 2.7 1.3 1.3 2.7 2.7 1.3 2.7 2.7 1.3 1.3 2.7 1.3 2.7 2.7 1.3 1.4 2.7 2.7 | z                       | 1.        | 1.        |           |           |           |         |           |           |           |         |           | 1.3   | 2.5                   |
| 3.4 2.0 2.0 4.7 2.0 4.7 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0   | N.                      | 1.3       | 5.0       |           |           |           |         |           |           |           |         |           | 0.4   | 4.0                   |
| 6.7 8.7 2.0<br>4.7 10.7 2.0<br>1.3 2.7 .7<br>1.3 2.7 1.3 .7<br>1.3 2.7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .                  | w Z                     | 3.4       | 5.0       |           |           |           |         |           |           |           |         |           | 5.4   | 3.8                   |
| 1.3 2.77 2.0  | E                       | 6.1       |           | 2.0       |           |           |         |           |           |           |         |           | 17.4  | 4.1                   |
| 1.3 2.77 1.3 2.7 1.3 1.3 2.7 1.3 1.4 2.7 1.3 1.5 1.3 1.4 2.77 25.5 38.3 11.4 2.77   |                         | 4.1       | 10.1      | 2.0       |           |           |         |           |           |           |         |           | 17.4  | 4                     |
| 2.0 2.07<br>1.3 2.7 1.37<br>1.3 2.7 7.<br>1.3 7 7.<br>1.3 1.3 1.3 7.<br>2.5.5 38.3 11.4 2.7 7                                 | ESE                     | 1.3       | 2.7       | 1.        |           |           |         |           |           |           |         |           | 1.00  | 6.4                   |
| 1.3 2.7 1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7  | SE                      | 2.0       | 5.0       |           |           |           |         |           |           |           |         |           | 4.0   | 4.0                   |
| 1.3 2.7 1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7  | SSE                     | 1.3       | 2.1       |           |           |           |         |           |           |           |         |           | 0.4   | 3.                    |
| 1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7  | s                       | 1.3       | 2.7       | 1.3       |           |           |         |           |           |           |         |           | 5.4   | 5.3                   |
| 1.3 1.3 .7 .7 .7 .1.3 1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7  | SSW                     |           |           |           | ۲.        |           |         |           |           |           |         |           | 1.3   | 0.6                   |
| 1.3 1.3 .7 .7 .1 .1.3 .7 .7 .1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7   | SW                      |           |           | 1.3       |           |           |         |           |           |           |         |           | 1.3   | 8                     |
| 1.3 .7 .7 .7 .1 .1.3 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7 .7   | WSW                     |           | 7.7       |           |           |           |         |           |           |           |         |           | 0.4   | 2.0                   |
| 1.3 1.3 .7  | *                       |           | 1.3       |           |           |           |         |           |           |           |         |           | 2.7   | 7.0                   |
| 25.5 38.3 11.4 2.77   | WNW                     |           |           | 1.3       | 1.3       |           |         |           |           |           |         |           | 4     | 12.8                  |
| 25.5 38.3 11.4 2.77   | NK                      |           |           |           |           |           |         |           |           |           |         |           |       |                       |
| 25.5 38.3 11.4 2.7 .7   | NNN                     | 1.3       |           |           |           |           |         |           |           |           |         |           | 1.3   | 2.5                   |
| 25.5 38.3 11.4 2.7 .7   | VARBL                   |           |           |           |           |           |         |           |           |           |         |           |       |                       |
| 38.3 11.4 2.7 .7  | CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | 21.5  |                       |
|   |                         | 25.5      | 38.3      | 11.4      | 2.7       |           |         |           |           |           |         |           | 100.0 | 3.9                   |

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149

TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

STATION 41406

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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SURFACE WINDS JAN 78

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149

TOTAL NUMBER OF OBSERVATIONS

73-77

YEARS

STATION NAME

AGANA, GUAM

41406

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

ALL WEATHER CONDITION

NOURS (L.S.T.) MONTH SEP

| SPEED<br>(KNTS)<br>DIR. | 1.3       | 9.4       | 7 . 10    | 11 . 16 | 17.21 | 22 - 27   | 28 · 33   | 34 - 40   | 4 . 4     | 48 - 55   | %<br>AI   | *     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|---------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z                       | -         | 1.        |           |         |       |           |           |           |           |           |           | 1.03  | 4.0                   |
| ZZ                      | 4.1       | 1.3       | 1.3       |         |       |           |           |           |           |           |           | 7.4   | 3.6                   |
| ž                       | 4.7       | 0.4       |           |         |       |           |           |           |           |           |           | 4.4   | 3.5                   |
| Z                       | 6.7       | 5.4       | 1.3       |         |       |           |           |           |           |           |           | 13.4  | 4.0                   |
|                         | 6.1       | 8.1       | 0.0       | 1.      |       |           |           |           |           |           |           | 22.8  | 5.1                   |
| ESE                     | 5.0       |           |           |         |       |           |           |           |           |           |           | 2.7   | 2.8                   |
| 35                      | 1.3       | 2.7       |           | ۲.      |       |           |           |           |           |           |           | 4.7   | 4.6                   |
| SSE                     | 2.0       | 2.0       |           |         |       |           |           |           |           |           |           | 7.5   | 4.3                   |
| •                       | 2.7       | 0.4       |           | .,      |       |           |           |           |           |           |           | 8.7   | 4.9                   |
| SSW                     | 2.7       |           |           | ۲.      |       |           |           |           |           |           |           | 3.4   | 4.2                   |
| WS                      |           |           |           | .,      |       |           |           |           |           |           |           |       | 16.0                  |
| WSW                     | 4.        | 1.3       | 2.0       |         |       |           |           |           |           |           |           | 0.4   | 5.7                   |
| *                       |           | 1.        | 1.3       | 1.      |       |           |           |           |           |           |           | 2.7   | 6.5                   |
| WNW                     |           |           |           |         |       | . 7       |           |           |           |           |           |       | 54.0                  |
| ×                       | .,        |           |           |         |       |           |           |           |           |           |           |       | 1.0                   |
| NNN                     |           |           |           |         |       |           |           |           |           |           |           | 1.3   | 2.5                   |
| VARBL                   |           |           |           |         |       |           |           |           |           |           |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X     | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 12.1  |                       |
|                         | 37.6      | 31.5      | 13.4      | 0.4     |       | ٠.        |           |           |           |           |           | 100.0 | 6.3                   |

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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641

TOTAL NUMBER OF OBSERVATIONS

1

5702 SURFACE WINDS JAN 78

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

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SEP MONTH 0.0

HOURS (L.S.T.) 10

YEARS 773-77 ALL WEATHER CONDITION STATION NAME

| WEAN<br>WIND<br>SPEED   | 3.5 | 4.7 | 0.6 | 6.9 | 8.6  | 8.0  | 4.4 | 6.5 | 7.5 | 7.7 | 0.6 | 0.  | 8.7 | 5.5 | 2.0 | 5.8 |       |           | 7.5   |
|-------------------------|-----|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|-------|
| ,                       | 2.1 | 2.0 | 8.1 | 8.1 | 84.8 | 1001 | 4.7 | 6.7 | 200 | 2.0 | 1.3 | 3.4 | 8.1 | 0.4 | ۲.  | 3.4 |       |           | 0.001 |
| 95<br>VI                |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |       | X         |       |
| 48 - 55                 |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |       | X         |       |
| 41 - 47                 |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| 34 · 40                 |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| 28 · 33                 |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |       | X         |       |
| 22 · 27                 |     |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |       | X         |       |
| 17 - 21                 |     |     | .7  |     |      |      |     |     | .1  |     |     |     | . 7 |     |     |     |       | X         | 7.7   |
| 1 . 16                  |     |     | 1.  |     | 0.9  |      |     |     | .7  |     |     |     | 1.3 |     |     |     |       | $\bigvee$ | 10.7  |
| 7 . 10                  | .7  |     | 0.9 | 4.7 | 14.1 | 0.4  | 0.4 | 2.0 | 4.7 | 1.3 | 1.3 | 1.3 | 2.7 | 1.3 |     | 1.3 |       | $\bigvee$ | 80.3  |
| • • •                   |     |     | 1.3 | 3.6 | 0.4  | 0.4  |     | 3.4 | 1.  | ۲.  |     | 1.3 | 3.4 | 1.3 |     | 2.0 |       | M         | 26.2  |
| ::                      | 2.0 |     |     |     |      |      |     |     | 2.0 |     |     |     |     | 1.3 |     |     |       | X         | 9     |
| SPEED<br>(KNTS)<br>DIR. | z   | W X | w Z | ENE |      | ESE  | SE  | SSE | s   | SSW | 3W  | WSW | 3   | WNW | ×   | NNN | VARBL | CALM      |       |

DIRNAVOCEANMET SMOS

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AGANA, GUAM

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER

ACANA, GUAM

41406

1

0

YEARS

HOURS (L.S.T.)

SEP 13

CONDITION

10.6 6.3 6.2 8.2 0.8 7.0 10.8 8.6 8.1 0.6 8.0 9.3 8.9 0.9 MEAN WIND SPEED 23.00 0.4 8.7 3.4 1.3 100.0 12 48 - 55 41 - 47 34 - 40 28 . 33 22 . 27 . 2.0 . . 17 - 21 . 3 0.4 24.5 2.7 4. 5.0 2:12 11 . 16 . 4.1 3.4 4.7 13.4 3.6 3.4 ... 44.3 7 - 10 . 2.0 22.8 ::-2.0 4.6 5.4 2.0 . .. WSW WSW NN ANA VARBL SPEED (KNTS) DIR. Z SS SE SS NNN CALM Z Z SSW ž z 8

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149

TOTAL NUMBER OF OBSERVATIONS

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149

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

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16

SEP

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

| (FROM HOURLY OBSERVATIONS) | 77-57       | NAN.         |
|----------------------------|-------------|--------------|
|                            | AGANA, GUAM | STATION NAME |

ALL WEATHER

CONDITION

| SPEED<br>(KNTS)<br>DIR. | ÷         | • •       | 7 - 10    | 91 - 11   | 17 - 21 | 22 - 27 | 28 · 33   | 34 · 40   | 41 . 47     | 48 · 55 | %<br>AI   | ,     | WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|---------|---------|-----------|-----------|-------------|---------|-----------|-------|---------------|
| z                       | 1.        |           | 1.        |           |         |         |           |           |             |         |           | 1,3   | 5.0           |
| N N                     |           | 1.3       | 4.        |           |         |         |           |           |             |         |           | 2.0   | 6.            |
| w Z                     |           | 1.3       | 2.7       |           |         |         |           |           |             |         |           | 4.1   | 8.3           |
| Z                       |           | 2.7       | 1.3       | 1.3       |         |         |           |           |             |         |           | 0.9   | 7.7           |
|                         |           | T . 3     | 14.8      | 2.0       | •       |         |           |           |             |         |           | 5.5.5 |               |
| ESE                     |           | 2.0       | 0.9       | 5.0       |         |         |           |           |             |         |           | 1001  | .6            |
| SE                      |           | 5.0       | 2.1       |           |         |         |           |           |             |         |           | 5.4   | •             |
| SSE                     | ۲.        | 2.0       | 4.7       |           |         |         |           |           |             |         |           | 4.1   | ò             |
| 9                       | ٠.        | ۲.        | 3.4       |           |         |         |           |           |             |         |           | 5.4   |               |
| SSW                     |           |           |           |           | 1.3     |         |           |           |             |         |           | 2.7   | 12.           |
| SW                      |           |           | 1.3       |           |         |         |           |           |             |         |           | 2.0   | 7.0           |
| WSW                     |           | 1.3       | 3.4       | 1.        |         |         |           |           |             |         |           | 0.9   | 7.            |
| *                       | 2.0       | 1.3       | 0.4       | 2.7       | 1.3     |         |           |           |             |         |           | 12.1  | 10.4          |
| WNW                     |           |           | 2.7       |           |         |         |           |           |             |         |           | 0.4   | 6.5           |
| ×                       |           |           |           |           |         |         |           |           |             |         |           |       | 2.            |
| NNN                     |           |           | 1.3       |           |         |         |           |           |             |         |           | 2.0   | .0            |
| VARBL                   |           |           |           |           |         |         |           |           |             |         |           |       |               |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | $\bigvee$ | $\bigvee$ | $\setminus$ | X       | $\bigvee$ | 2.7   |               |
|                         | 7.4       | 25.5      | 50.3      | 10.1      | 3.4     | 4.      |           |           |             |         |           | 100.0 | 7             |

DIRNAVOCEANMET SMOS

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41406 STATION

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

316

149

TOTAL NUMBER OF OBSERVATIONS

0

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

41406 STATION

0

1550

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SEP         | MONTH        | 19        | HOURS (L.S.T.) |           |
|-------------|--------------|-----------|----------------|-----------|
| 73-77       | YEARS        | IER       |                |           |
| AGANA, GUAM | STATION NAME | ALL WEATH | CLASS          | CONDITION |
| AGANA,      |              |           |                |           |

| SPEED<br>(KNTS)<br>DIR. | ÷:        | 9.7       | 7 - 10    | ş. :      | 17 - 21   | 22 - 27   | 28 - 33 | 34 - 40 | 4 . 4     | 48 - 55   | ۸۱<br>کو  | ×     |   |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|-----------|-----------|-----------|-------|---|
| z                       | 1.3       | 1.        |           |           |           |           |         |         |           |           |           | 2.0   | _ |
| W X                     | 2.0       | 2.0       |           |           |           |           |         |         |           |           |           | 0.4   |   |
| W Z                     | 3.4       | 0.4       | . 7       |           |           |           |         |         |           |           |           |       |   |
| ER                      | 2.7       | 10.1      | 1.3       |           |           |           |         |         |           |           |           | 14.1  |   |
|                         | 6.7       | 4.6       | 2.0       |           |           |           |         |         |           |           |           | 18.1  |   |
| ESE                     | 2.7       | 1.3       | 0.4       |           |           |           |         |         |           |           |           | 8     |   |
| SE                      | 2.7       | 2.0       |           | 1.        |           |           |         |         |           |           |           | 5.4   | - |
| SSE                     | 2.0       | 1.3       |           |           |           |           |         |         |           |           |           | 3.4   | - |
| s                       | 3.4       | 4.7       |           | 1.3       |           |           |         |         |           |           |           | 4.6   | - |
| SSW                     | 1.3       | 2,0       |           |           |           |           |         |         |           |           |           | 0.4   | _ |
| SW                      | 4.        |           |           |           |           |           |         |         |           |           |           | 1.3   |   |
| WSW                     |           | 1.3       | 1.        |           |           |           |         |         |           |           |           | 3.4   |   |
| *                       |           |           | 4.0       |           |           |           |         |         |           |           |           | 5.4   | - |
| WNW                     |           |           |           |           |           |           |         |         |           |           |           | 1.3   | - |
| ¥                       |           |           |           |           |           |           |         |         |           |           |           |       |   |
| NN                      |           | 6.3       | 1.        |           |           |           |         |         |           |           |           | 2.7   |   |
| VARBL                   |           |           |           |           |           |           |         |         |           |           |           |       |   |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | 6.7   |   |
|                         | 30.2      | 41.6      | 14.1      | 4.0       |           |           | 4.      |         |           |           |           | 100.0 |   |

4.5

3.8 4.0

5.7

12.3 0.0

2.7

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1.3

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2.0 2.7

1:3

2.0

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WNW NA W VARBL

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WSW

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1.3

3.5

3.5

1.3

8.0

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16.1

0.4 4.9

MEAN WIND SPEED

28 . 33

22 . 27

17 - 21

11 . 16

7 - 10

4.6

1.3

SPEED (KNTS) DIR.

1.3 1.3

3.4

z z z z

2.7 3.4

4.7

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SSE

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

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SURFACE WINDS

73-77

STATION NAME

ACANA, GUAM

41405 STATION

YEARS

ALL WEATHER

2.2 HOURS (L.S.T.) MONTH SEP

15.4 5.4 × 12 48 - 55 41 - 47 34 - 40

3.4

12.8

38.3

28.5

CALM

4.5

100.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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SSW

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ALL HOURS (LST.)

SEP

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AGANA, GUAM

41406

0

9221

0

(FROM HOURLY OBSERVATIONS)

73-77 WEATHER CLASS CONDITION ALL

| WIND                    | 4.0 | 4.2 | 5.3 | 5.5  | 6.5  | 7.0 | 5.8 | 5.4 | 9.9 | 7.3 | 8.7 | 7.0 | 6.6 | 8.5 | 5.5 | 5.2 |       |           | 5.7   |
|-------------------------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----------|-------|
| ,                       | 1.8 | 4.4 | 0.0 | 12.2 | 2112 | 7.8 | 6.4 | 2.0 | 2.0 | 2.4 | 1.5 | 3.0 | 0.9 | 2.5 | 6.  | 2.2 |       | 10.2      | 100.0 |
| <b>3</b>                |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X         |       |
| 48 - 55                 |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X         |       |
| 41.4                    |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | X         |       |
| 34 . 45                 |     |     |     |      |      |     |     |     |     |     |     |     |     |     |     |     |       | $\bigvee$ |       |
| 28 · 33                 |     |     |     |      |      |     |     |     |     | -:  | 7.  |     |     |     |     |     |       | $\bigvee$ |       |
| 22 - 22                 |     |     |     |      |      |     |     |     |     |     |     |     | 7.  | ٠.  |     |     |       | $\bigvee$ |       |
| 17 - 21                 |     |     |     |      | -:   | -   | -   |     |     |     |     |     | 4.  | 7.  |     |     |       | $\bigvee$ |       |
| 1 . 16                  | 7.  | .2  | .2  | 9.   | 2.0  | 1.  | .3  | .2  | 1.2 | .3  |     | 4.  | 1.5 | .3  |     | 1.  |       | X         | 8.1   |
| 7 - 10                  | .2  | 4.  | 1.4 | 2.3  | 9.1  | 3.4 | 1.3 | 1.5 | 1.9 | .3  | ω.  | 1.6 | 2.3 | 1.2 |     |     |       | X         | 76.7  |
| :                       | 9.  | 1.7 | 2,3 | 5.5  | 8.   | 2.2 | 1.9 | 1.9 | 2.3 | • 2 | 4.  | 1.4 | 1.3 | .5  | .1  | 1.0 |       | $\bigvee$ | 31.5  |
| ::                      | 6.  | 2.2 | 2.0 | 3.8  | 3.7  | 1.5 | 1.3 | 1.4 | 2.1 | 1.0 | 2.  | 6.  | €.  | .3  | 6.  | 9.  |       | $\bigvee$ | 21.9  |
| SPEED<br>(KNTS)<br>DIR. | z   | N N | W.  | E    |      | ESE | *   | SSE | •   | SSW | AS. | WSW | *   | WNW | N.  | NNN | VARBL | CALM      |       |

1192

TOTAL NUMBER OF OBSERVATIONS

0

0

DIRNAVOCEANMET SMOS

TOTAL NUMBER OF OBSERVATIONS

1

SURFACE WINDS

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O.1 HOURS (L.S.T.)

UCT WONTH

1

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL MEATHER STATION NAME AGANA, GUAM

| 1.3 4.6 7.10 11.16 17.21 2 | 9.  | 1.9 1.3 .6 | 3.2 4.5 | 5.8 13.5 9.7 .6 | 11.6 | 5.2 3.2 | .6 2.6 1.3 | .6 1.3 1.3 | 1.9 1.3 | 9.  | 9.  | 1.9  | 1.3  |  |         |
|----------------------------|-----|------------|---------|-----------------|------|---------|------------|------------|---------|-----|-----|------|------|--|---------|
| 22 - 27 28 - 33            |     |            |         |                 |      |         |            |            |         |     |     |      |      |  | X       |
| 34 - 40 41 - 47            |     |            |         |                 |      |         |            |            |         |     |     |      |      |  | \rangle |
| 48 - 55                    |     |            |         |                 |      |         |            |            |         |     |     |      |      |  |         |
| \$<br>8                    | 9.  | 3.9        | 8.4     | 29.7            | 21.9 | 12.3    | 5.2        | 3.8        | 3.2     | 9.  | 1.3 | 1.9  | 1.3  |  | 6.9     |
| MEAN<br>WIND<br>SPEED      | 2.0 | -          | -       | -               | _    | -       | 9.9        | 5.4        | 5.8     | 3.0 | 3.5 | 13.3 | 10.0 |  |         |

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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41406 STATION

ı 1

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77 ALL WEATHER COMBITION

STATION NAME

AGANA, GUAM

YEARS

HOURS (L.S.T.) MONTH DCT

5.6 8.5 0.4 4.4 4.4 5.3 2.0 6.4 5.0 1.0 2.0 18.0 12.0 0.0 5.5 10.0 WIND SPEED 23.9 0.0 9. . 2 4 4 0. 1.3 0 16.1 5.2 100.0 17 48 - 55 41 - 47 34 - 40 28 . 33 22 . 27 0 9. 17 - 21 2.0 9. 6.9 9. 1.3 11 . 16 0. 19.4 1.9 2.6 1.9 3.9 6.5 0 7 - 10 10.3 4.5 c. 45.6 9. 9. 25.8 . 0 0 1.9 -3

TOTAL NUMBER OF OBSERVATIONS

155

1111

1

400

NW VARBL

CALM

0

\* WW

WSW

SK

SSW

22 22

0.0

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0

0

SPEED (KNTS) DIR.

155

TOTAL NUMBER OF OBSERVATIONS

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PERCENTAGE FREQUENCY OF WIND

1

DCT NOW

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGANA, GUAM

YEARS

ALL WEATHER

CONDITION

SPEED (KNTS) DIR.

Z Z Z

z

25 SE SSE

SSW

s

WSW

NS.

HOURS (L.S.T.) 07

| MEAN<br>WIND<br>SPEED | 2.8 | 3.9 | 4.7  | 5.0  | 5.8  | 5.5 | 7.4 | 5.4 | 2.2 | 3.0 | 5.0 | 17.0 | 10.01 |     | 5.3   |
|-----------------------|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|------|-------|-----|-------|
| *                     | 2.6 | 5.2 | 14.8 | 20.0 | 25.8 | 9.6 | 6.5 | 4.5 | 3.9 | 0   | 0   | 5.5  | 9.    | 3.9 | 100.0 |
| %<br>AI               |     |     |      |      |      |     |     |     |     |     |     |      |       | X   |       |
| 48 · 55               |     |     |      |      |      |     |     |     |     |     |     |      |       | X   |       |
| 41 . 47               |     |     |      |      |      |     |     |     |     |     |     |      |       | X   |       |
| 34 - 40               |     |     |      |      |      |     |     |     |     |     |     |      |       | X   |       |
| 28 - 33               |     |     |      |      |      |     |     |     |     |     |     | 9.   |       | X   | •     |
| 22 - 27               |     |     |      |      |      |     |     |     |     |     |     |      |       | X   |       |
| 17 - 21               |     |     |      |      |      |     |     |     |     |     |     | 9•   |       | X   | 9.    |
| 11 . 16               |     |     | 9.   |      | ç.   |     | 1.9 |     |     |     |     | 9.   |       | X   | 3.9   |
| 7 - 10                |     | 0.  | 9.   | 4.5  | 7.7  | 5.0 |     | 1.3 |     |     |     | 9.   | , o   | X   | 20.0  |
| • •                   | 9.  | 1.3 | 10.3 | 10,3 | 13.5 | 3.9 | 1.3 | 2.6 | 0   |     | o.  |      |       | X   | 45.2  |
| £                     | 1.9 | 3.2 | 3.5  | 5.5  | 3.9  | 1.9 | 1.9 | 9.  | 3.2 | 9.  |     |      |       | X   | 25.8  |
|                       | +-  | -   | -    | ==   | -    | -   | -   | -   | -   | -   | -   | -    | +++   | +   | -     |

NNW VARBL

CALM

WWW

\*

DIRNAVOCEANMET SMOS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406

1550

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### SURFACE WINDS

**8** 

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

NOURS CLST. MONTH THE YEARS (FROM HOURLY OBSERVATIONS) 73-77 ALL WEATHER CONDITION STATION NAME AGANA, GUAM

41406

1550

0

| SPEED<br>(KNTS)<br>DIR. | :         | ;         | 7 - 10    | 1 · 16    | 17 . 21   | 22 . 27   | 28 . 33   | 3.        | 41.4      | 48 · 55   | %<br>AI   | *     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z                       |           | 9.        | 1.9       |           |           |           |           |           |           |           |           | 2.6   | 7.3                   |
| N N                     | 0.        | 1.9       | 1.3       | 1.9       |           |           |           |           |           |           |           | 5.00  | 7.7                   |
| ¥                       |           | 5.1       |           | 9.        |           |           |           |           |           |           |           | 2.5   | 1.9                   |
| EN EN                   |           | 1.9       | 7.7       | 6.5       | 0.        |           |           |           |           |           |           | 16.8  | 10.3                  |
|                         | 4.        | 7.1       | 17.4      | 0.6       | 9.        |           |           |           |           |           |           | 34.0  | 6.8                   |
| ESE                     | 9.        | 1.9       | 5.8       | 1.9       |           |           |           |           |           |           |           | 10.3  | 8.3                   |
| 35                      | 1.3       |           | 4.5       | 3.2       |           |           |           |           |           |           |           | 10.3  | 4.8                   |
| SSE                     | 9.        | 9.        | 6.1       |           |           |           |           |           |           |           |           | 3.2   | 7.2                   |
| s                       |           | 1.9       | 9.        |           |           |           |           |           |           |           |           | 2.6   | 5.8                   |
| SSW                     |           |           | 9.        |           |           |           |           |           |           |           |           | 9.    | 0.6                   |
| SW                      |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| WSW                     |           |           |           |           | 9.        |           |           |           |           |           |           | 9.    | 19.0                  |
| *                       |           | 0.        | 9.        | o.        |           | 9.        |           |           |           |           |           | 2.0   | 13.0                  |
| WWW                     |           | 9.        |           | 9.        |           |           |           |           |           |           |           | 1.3   | 8.5                   |
| ¥                       |           |           | 9.        |           |           |           |           |           |           |           |           | 9.    | 0.6                   |
| NNN                     | 9.        | 1.3       |           |           |           |           |           |           |           |           |           | 1.99  | 4.7                   |
| VARBL                   |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 9.    |                       |
|                         | 4.5       | 21.9      | 6.5.8     | 24.5      | 1.9       | 9.        |           |           |           |           |           | 100.0 | 8.9                   |

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155

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

0

### SURFACE WINDS

9

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGAMA, GUAM

41406 STATION

ALL WEATHER

13 HOURS (L.S.T.)

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| SPEED<br>(KNTS)<br>DIR. | 1.3       | • · •     | 7 . 10    | 81 . 11   | 17 . 21 | 22 - 27 | 28 - 33   | 34 - 40   | 41 - 47   | 8 . 55 | %<br>A1   | *     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|---------|---------|-----------|-----------|-----------|--------|-----------|-------|-----------------------|
| z                       | 9.        |           | 1.9       |           |         |         |           |           |           |        |           | 2.6   | 7.3                   |
| N N                     |           | 9.        |           | ٥.        |         |         |           |           |           |        |           | 1.3   | 6.5                   |
| ä                       |           | 1.3       | 3.9       | 1.3       |         |         |           |           |           |        |           | 6.5   | 8.9                   |
| E                       |           | 3.2       | 5.5       | 5.5       | 9.      |         |           |           |           |        |           | 14.2  | 10.1                  |
|                         | 0.        | 9.5       | 16.1      | 14.8      |         |         |           |           |           |        |           | 34.2  | 10.2                  |
| ESE                     |           | 1.3       | 0.6       | 3.2       | •       |         |           |           |           |        |           | 14.2  | 9.6                   |
| *                       | 9.        | 0.        | 3.0       | 5.6       |         |         |           |           |           |        |           | 7.7   | 8.8                   |
| SSE                     |           | 0.        | 4.5       | 9.        |         |         |           |           |           |        |           | 5.8   | 8.7                   |
| S                       | 9.        | 1.3       | 1.3       | 9.        |         |         |           |           |           |        |           | 3.9   | 7.3                   |
| SSW                     |           |           |           |           |         |         |           |           |           |        |           |       |                       |
| NS.                     |           |           |           |           |         |         |           |           |           |        |           |       |                       |
| WSW                     | 9.        | 9.        |           |           |         |         |           |           |           |        |           | 1.3   | 4.0                   |
| *                       |           |           | 9.        | 1.3       | 0.      | 9.      |           |           |           |        |           | 3.5   | 15.2                  |
| WNW                     |           | 9.        |           |           |         |         |           |           |           |        |           | o.    | 0.9                   |
| NN                      |           |           | 9.        |           |         |         |           |           |           |        |           | 9.    | 7.0                   |
| NNN                     | 9.        | 9.        | 1.3       |           |         |         |           |           |           |        |           | 5.6   | 5.5                   |
| VARBL                   |           |           |           |           |         |         |           |           |           |        |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | X      | $\bigvee$ | 1.3   |                       |
|                         | 3.9       | 13.5      | 48.4      | 30.3      | 5.1     | •       |           |           |           |        |           | 100.0 | 9.6                   |

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155

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

AGANA, GUAM

41406 STATION

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SEEL

(FROM HOURLY OBSERVATIONS)

NOURS (L.S.T.) YEARS 73-77 ALL WEATHER

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| SPEED<br>(KNTS)<br>DIR. | ÷.        | • •       | 7 . 10    | 91 - 11   | 17 - 21   | 22 - 27   | 28 - 33   | 34 . 46   | 41 - 47 | 48 . 55 | %<br>AI | *     | WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|---------|---------|-------|---------------|
| z                       | 9.        | 2.6       | 1.3       |           |           |           |           |           |         |         |         | 4.5   | 5.6           |
| NNE                     |           | 9.        | 6.1       | 1.9       |           |           |           |           |         |         |         | 4.5   | 10.0          |
| ¥                       | 9.        | 1.9       | 1.3       | 1.3       |           |           |           |           |         |         |         | 5.2   | 7.8           |
| ENE                     |           | 3.2       | 10.3      | 3.9       |           |           |           |           |         |         |         | 17.4  | 0.6           |
| •                       | 1.3       | 7.7       | 20.0      | 4.5       |           |           |           |           |         |         |         | 34.2  | 8.3           |
| ESE                     | 1.3       | 1.3       | 2.00      | 1.3       |           |           |           |           |         |         |         | 6.1   | 7.7           |
| 35                      |           | 1.3       | 3.9       | 1.3       |           |           |           |           |         |         |         | 6.9   | 0.6           |
| SSE                     | 9.        | 1.3       | 1.9       | 1.3       |           |           |           |           |         |         |         | 5.5   | 7.8           |
| \$                      | 9.        | 9.        |           |           |           |           |           |           |         |         |         | 1.3   | 3.5           |
| SSW                     |           |           |           |           |           |           |           |           |         |         |         |       |               |
| SW                      |           |           |           |           |           |           |           |           |         |         |         |       |               |
| WSW                     | 9.        |           |           |           |           | 9.        |           |           |         |         |         | 1.3   | 14.0          |
| *                       |           | 1.3       | 9.        | 9.        | 9.        |           |           |           |         |         |         | 3.2   | 10.2          |
| WWW                     | 9.        | 9.        |           |           |           |           |           |           |         |         |         | 1.3   | 0.4           |
| NW                      |           |           | 1.3       |           |           |           |           |           |         |         |         | 1.3   | 7.5           |
| NNW                     |           | 9.        | 9.        |           |           |           |           |           |         |         |         | 1.3   | 6.0           |
| VARBL                   |           |           |           |           |           |           |           |           |         |         |         |       |               |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | X       | 3.2   |               |
|                         | 6.5       | 23.2      | 49.7      | 16.1      | 9.        | 9.        |           |           |         |         |         | 100.0 | 8.0           |

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DIRNAVOCEANMET SMOS

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TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

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### NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406 STATION

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SURFACE WINDS

| SPEED<br>(KNTS)<br>DIR. |           | •         | 7 . 10    | 91 - 11   | 17 - 21   | 22 - 27 | 28 - 33   | 34 . 40   | 4.14      | 48 - 55   | 8         | ,     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z                       | 1.3       | 1.9       |           |           |           |         |           |           |           |           |           | 3.2   | 3.2                   |
| ZZ                      | 1.3       | 1.3       | 9.        |           |           |         |           |           |           |           |           | 3.2   | 3.8                   |
| ¥                       | 5.6       | 4.8       | 0.        |           |           |         |           |           |           |           |           | 11.6  | 4.4                   |
| EN EN                   | 5.8       | 13.5      | 6.9       | 9.        |           |         |           |           |           |           |           | 26.5  | 5.8                   |
|                         | 3.9       | 16.8      | 6.0       | 1.3       |           |         |           |           |           |           |           | 28.4  | 5.7                   |
| ESE                     | 1.9       | 1.9       | 1.9       | 0.        |           |         |           |           |           |           |           | 6.5   | 5.8                   |
| 35                      | 9.        | 9.        | 1.9       | 1.3       |           |         |           |           |           |           |           | 4.5   | 1.1                   |
| SSE                     | 1.9       | 1.3       | 9.        |           |           |         |           |           |           |           |           | 9.0   | 3.7                   |
|                         | 1.3       | ¢.        |           |           |           |         |           |           |           |           |           | 1.9   | 3.0                   |
| SSW                     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| SW                      |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| WSW                     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| *                       |           |           |           | 1.3       |           |         |           |           |           |           |           | 1.3   | 15.5                  |
| WNW                     | 9.        | 0.        | 9.        |           |           |         |           |           |           |           |           | 1.9   | 5.0                   |
| *                       |           | ç.        |           |           |           |         |           |           |           |           |           | 9.    | 0.9                   |
| NNN                     | 9.        | 0.        |           |           |           |         |           |           |           |           |           | 1.3   | 3.5                   |
| VARBL                   |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 5.2   |                       |
|                         | 6112      | 48.4      | 19.4      | 5.2       |           |         |           |           |           |           |           | 100.0 | 5.2                   |
|                         |           |           |           |           |           | 1       |           |           |           |           |           |       |                       |

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

41406 STATION

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1550

0

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22 HOURS (L.S.T.) TOC. YEARS 73-77 WEATHER CLASS CONDITION ALL STATION NAME ACANA, GUAM

|   | 1.3  | *:        | 7 - 10    | 11 - 16 | 17 . 21 | 22 - 27 | 28 - 33 | 34 - 40   | 4.4 | 48 - 55   | 8         | ,     | MEAN<br>WIND<br>SPEED |
|---|------|-----------|-----------|---------|---------|---------|---------|-----------|-----|-----------|-----------|-------|-----------------------|
|   | 9.   | 9.        |           |         |         |         |         |           |     |           |           | 1.3   | 3.5                   |
| 1 | 9.   | 1.3       |           |         |         |         |         |           |     |           |           | 1.9   | 3.3                   |
| _ | 4.5  | 5.8       | 0.        |         |         |         |         |           |     |           |           | 11.0  | 3.9                   |
| - | 2.5  | 16.1      | 7.1       | 1.3     |         |         |         |           |     |           |           | 29.7  | 5.5                   |
| _ | 4.5  | 11.0      | 10.3      | 1.3     | 9.      |         |         |           |     |           |           | 27.1  | 9.9                   |
| - |      | 6.1       | 2.6       |         | 9.      |         |         |           |     |           |           | 5.2   | 8.1                   |
| _ | 0.   | 7.6       | 1.9       | 0.      |         |         |         |           |     |           |           | 5.8   | 6.4                   |
| _ | 9.   | 9.        | 1.3       | 0.      |         |         |         |           |     |           |           | 3.2   | 9.0                   |
|   | 1.3  | 1.3       |           |         |         |         |         |           |     |           |           | 2.6   | 3.8                   |
|   |      |           |           |         |         |         |         |           |     |           |           |       |                       |
|   |      |           |           |         |         |         |         |           |     |           |           |       |                       |
| _ | 9.   |           |           |         | 9.      |         |         |           |     |           |           | 1.3   | 11.5                  |
| _ |      | 9.        |           | 1.3     |         |         |         |           |     |           |           | 1.9   | 10.3                  |
|   |      |           | 9.        | 9.      |         |         |         |           |     |           |           | 6 7   | 9.5                   |
|   | 9.   |           |           |         |         |         |         |           |     |           |           | 9.    | 3.0                   |
|   |      |           |           |         |         |         |         |           |     |           |           |       |                       |
|   |      |           |           |         |         |         |         |           |     |           |           |       |                       |
|   | X    | $\bigvee$ | $\bigvee$ | X       | X       | X       | X       | $\bigvee$ | X   | $\bigvee$ | $\bigvee$ | 6.5   |                       |
|   | 19.4 | 6.14      | 24.5      | 5.8     | 6.1     |         |         |           |     |           |           | 100.0 | 5.6                   |

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155

TOTAL NUMBER OF OBSERVATIONS

0

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DIRNAVOCEANMET SMOS

5.7

4.7

MEAN WIND SPEED

5.5 6.5 1.5 0.1

6.3 4.2 4.3 11.8

.3

5.9

6.1

3.0

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ALL HOURS (LST.) MONTH DCT

YEARS

73-77

WEATHER

ALL

STATION NAME

AGANA, GUAM

41406

0

0 1550

CONDITION

SURFACE WINDS

9 2

PERCENTAGE FREQUENCY OF WIND

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

| ×       | 2.3 | 0.4 | 8.6 | 21.8 | 28.9 | 6.6 | 6.5 | 4.2 | 2.7 | .2 | 6. | 1.0 | 2.1 | 0.1 | • 5 | 1.1 |
|---------|-----|-----|-----|------|------|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|
| %<br>AI |     |     |     |      |      |     |     |     |     |    |    |     |     |     |     |     |
| 48 - 55 |     |     |     |      |      |     |     |     |     |    |    |     |     |     |     |     |
| 41 - 47 |     |     |     |      |      |     |     |     |     |    |    |     |     |     |     |     |
| 34 - 40 |     |     |     |      |      |     |     |     |     |    |    |     |     |     |     |     |
| 28 · 33 |     |     |     |      |      |     |     |     |     |    |    |     | -;  |     |     |     |
| 22 - 27 |     |     |     |      |      |     |     |     |     |    |    | 7.  | .2  |     |     |     |
| 17 - 21 |     |     |     |      | 2.   |     | •   |     |     |    |    | ~   |     |     |     |     |
| 11 . 16 |     | ٥.  | 9.  | 5.3  | 7.4  | 1.3 | 1.5 | ٠.  | 7.  |    |    | .2  | 6.  | .2  |     | 7:  |
| 7 - 10  | 0.  | 9.  | 1.5 | 6.9  | 11.3 | 4.2 | 5.4 | ·-  | .3  | -: |    |     | 4.  | 7.  | .3  | .3  |
| :       | 20. | 1.3 | 2.0 | 8.0  | 10.4 | 2.7 | 9.  | 1.1 | 1.0 |    | -: | .2  | .3  | .3  |     | .5  |
| :       | 6.  | 1.4 | 2.3 | 3.7  | 2.8  | 1:1 | 1.0 | 6.  | 1.2 | 2. | 7. | 2.  |     | ~   | -:  | ~   |

SPEED (KNTS) DIR.

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DIRNAVOCEANMET SMOS

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WEAN WIND SPEED

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73-77

STATION NAME

AGANA, GUAM

41406

ALL WEATHER

YEARS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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150

TOTAL NUMBER OF OBSERVATIONS

2.0

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WSW WSW

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WNW N N VARBL CALM

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

0 0

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

20

(FROM HOURLY OBSERVATIONS)

WEATHER CONDITION

ALL

STATION MAME

AGANA, GUAN

41406 STATION

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NOURS (LST.)

NOV

YEARS

73-77

10.0 \$ 50 K 5.6 12.4 10.3 4.5 2.0 16.0 6.4 MEAN WIND SPEED 3.3 3.3 . . . 100.0 1 26 48 - 55 41 . 47 34 - 40 28 . 33 . 2.0 -22 . 27 2.0 • 1.0 17 - 21 5.3 2.7. 11 - 16 3.0 2.0 7.3 29.3 12.7 7 - 10 . 18.0 6.6 11.3 42.7 2.1 3.3 0.9 15.3 1.3 WSW WNW N N VARBL CALM Z Z Z SSW SSE SE 3W S \* Z

107

150

TOTAL NUMBER OF OBSERVATIONS

900

DIRNAVOCEANMET SMOS

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13.0

5.3

MEAN WIND SPEED

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71

9.4

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

73-77

STATION NAME

AGAMA, GUAM

41406

YEARS

ALL WEATHER

TOTAL NUMBER OF OBSERVATIONS

150

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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VARBL CALM

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NOURS (L.S.T.)

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SPEED (KNTS) DIR.

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TOTAL NUMBER OF OBSERVATIONS

9

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER

STATION NAME

AGANA, GUAN

41406 STATION

1550

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COMDITION

| 1.3 | •         | 7 - 10    | 11 - 16   | 17 - 21 | 22 - 22 | 28 · 33 | 34 · 40   | 41 . 47 | 48 · 55   | VI<br>98  | *          | MEAN<br>WIND<br>SPEED |
|-----|-----------|-----------|-----------|---------|---------|---------|-----------|---------|-----------|-----------|------------|-----------------------|
|     | 1.        | 1.        | 1.        |         |         |         |           |         |           |           | 2.0        | 10.0                  |
|     | L.        | 1.3       | 5.0       |         |         |         |           |         |           |           | 0.4        | 10.8                  |
|     |           | 0.4       | 2.0       |         |         |         |           |         |           |           | 0.9        | 6.6                   |
|     | 5.0       | 12.0      | 8.7       |         |         |         |           |         |           |           | 24.0       | 10.0                  |
|     | 1 * *     | 16.7      | 18.0      | 1.3     |         |         |           |         |           |           | 40.1       | 10.6                  |
|     | 1.3       | 0.8       | 3.3       | 4.      |         |         |           |         |           |           | 14.0       | 10.7                  |
|     |           | 1.3       | 3.3       | .7      |         |         |           |         |           |           | 6.7        | 10.9                  |
|     |           |           |           |         |         |         |           |         |           |           | .,         | 18.0                  |
|     |           |           |           |         |         |         |           |         |           |           |            |                       |
|     | .7        | 1.        |           |         |         |         |           |         |           |           | 1.3        | 6.5                   |
|     |           |           |           |         |         |         |           |         |           |           |            |                       |
|     |           |           |           |         |         |         |           |         |           |           |            |                       |
|     |           |           |           |         |         |         |           |         |           |           |            |                       |
|     |           |           |           |         |         |         |           |         |           |           |            |                       |
|     |           |           |           |         |         |         |           |         |           |           | •          | 12.0                  |
|     |           |           |           |         |         |         |           |         |           |           |            |                       |
|     |           |           |           |         |         |         |           |         |           |           |            |                       |
| M   | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | X       | X       | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | 0.         |                       |
| 1.3 | 10.7      | 44.7      | 38.7      | 0.4     | .7      |         |           |         |           |           | 100 0 10 5 | 10.5                  |

DIRNAVOCEANMET SMOS

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13 HOURS (L.S.T.)

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|------|------|-----|------|------|------|------|------|------|-----|--|
| WIND | 14.5 | 8.7 | 10.4 | 10.6 | 11.8 | 11.0 | 11.6 | 15.0 | 0.8 |  |
| *    | 1.3  | 2.0 | 0.9  | 16.7 | 44.7 | 18.0 | 00   | •    |     |  |

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150

TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

|   |             | YEARS        |             |       |          |
|---|-------------|--------------|-------------|-------|----------|
| PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) | 75-77       |              | ALL WEATHER | CLASS | MOILIGNO |
|   |             | STATION NAME |             |       |          |
| SERVICE<br>NC<br>NC   | AGANA, GUAM |              |             |       | -        |
| NAVAL WEATHER SERVICE<br>DETACHMENT<br>ASHEVILLE, NC                        | AGANA       |              |             |       |          |

41406 STATION

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| SPEED<br>(KNTS) | 1.3       | 9:+       | 7.10      | . :<br>5  | 17 . 21   | 22 - 27   | 28 - 33   | 34 . 40   | 41 . 47   | 48 - 55 | VI<br>58  | *     | MEAN  |
|-----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-------|-------|
| DIR.            |           |           |           |           |           |           |           |           |           |         |           |       | SPEED |
| z               |           |           |           | . 7       |           |           |           |           |           |         |           | 1.3   | 14.5  |
| N.              |           | .7        | .7        | .7        |           |           |           |           |           |         |           | 2.0   | 8.7   |
| ¥               |           |           | 3.3       | 2.7       |           |           |           |           |           |         |           | 0.9   | 10.4  |
| ENE             |           | 1.3       | 8.7       | 6.1       |           |           |           |           |           |         |           | 16.7  | 10.6  |
|                 |           | 1.3       | 16.7      | 22.7      | 2.7       |           |           |           |           |         |           | 44.7  | 11.8  |
| ESE             |           | 1.        | 6.3       | 6.7       | 1.3       |           |           |           |           |         |           | 18.0  | 11.0  |
| *               |           |           | 0.4       | 3.3       |           |           |           |           |           |         |           | 60    | 11.6  |
| SSE             |           |           |           | 1.        |           |           |           |           |           |         |           | •     | 15.0  |
| s               |           |           |           |           |           |           |           |           |           |         |           |       |       |
| SSW             |           |           | .7        |           |           |           |           |           |           |         |           |       | 8.0   |
| SW              |           |           |           |           |           |           |           |           |           |         |           |       |       |
| WSW             |           |           |           |           |           |           |           |           |           |         |           | .,    | 12.0  |
| *               |           |           |           |           |           |           |           |           |           |         |           |       |       |
| WNW             |           |           | 4.3       |           |           |           |           |           |           |         |           | 4.    | 10.0  |
| WW              |           |           |           |           |           |           |           |           |           |         |           |       |       |
| NNN             |           |           |           |           |           |           |           |           |           |         |           |       |       |
| VARBL           |           |           |           |           |           |           |           |           |           |         |           |       |       |
| CALM            | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | 0.    |       |
|                 | 7.        | 4.7       | 0.44      | 44.7      | 5.3       | .,        |           |           |           |         |           | 100.0 | 11.3  |
|                 |           |           |           |           |           |           |           |           |           | 1       |           |       |       |

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HOURS (L.S.T. NOV 16

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YEARS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

WEATHER CLASS

ALL

STATION NAME

AGANA, GUAN

CONDITION

| SPEED 1.3 4.6 7.10 11.16 17.21 22 DIR. | r. r. r. | L.3  | 2.0 6.0 2.0 | 4.0 13.3 9.3 .7 | 4.0 18.0 9.3 | 0.0  | 1.3 1.3 3.3 | 1.3 .7 1.3 | SSW | , ws | r. r. wsw | <b>F.</b> | ANM ANM | L. NNW | CAUM      |  |
|--|----------|------|-------------|-----------------|--------------|------|-------------|------------|-----|------|-----------|-----------|---------|--------|-----------|--|
| 22 · 27 28 · 33                        |          |      |             |                 |              |      |             |            |     |      |           |           |         |        | $\bigvee$ |  |
| 34 - 40 41 - 47                        |          |      |             |                 |              |      |             |            |     |      |           |           |         |        | X         |  |
| 48 . 55                                |          |      |             |                 |              |      |             |            |     |      |           |           |         |        |           |  |
| <b>3</b> 5<br>Al                       |          |      |             |                 |              |      |             |            |     |      |           |           |         |        | X         |  |
| ,                                      | 2.0      | 1.3  | 10.0        | 27.3            | 32.0         | 14.0 | 0.9         | 3.3        |     |      | 1.3       |           |         |        | 0.        |  |
| MEAN<br>WIND<br>SPEED                  | 7.7      | 10.0 | 9.1         | 10.0            | 10.0         | 10.0 | 10.7        | 8 . 8      |     | 0.6  | 6.5       | 12.0      | 8.0     | 19.0   |           |  |

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150

TOTAL NUMBER OF OBSERVATIONS

SMOS DIRNAVOCEANMET

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1550

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41406

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

73-77 AGANA, GUAM

YEARS

ALL WEATHER

19 HOURS (L.S.T.)

NOV THOM

| MEAN<br>WIND<br>SPEED   | 10.3 | 3.2 | 5.4 | 4.0  | 1.6  | 9.5  | 8.3 | 6.7 | 7.0 | 7.0 |    |     | 10.0 |     |   | 2.0 |       |           | 6.9       |
|-------------------------|------|-----|-----|------|------|------|-----|-----|-----|-----|----|-----|------|-----|---|-----|-------|-----------|-----------|
| ,                       | 2.0  | 3.3 | 6.7 | 32.1 | 31.3 | 11.3 | 2.7 | 2.0 | 1.3 | 4.  |    |     |      |     |   |     |       | 2.7       | 100.0     |
| %<br>AI                 |      |     |     |      |      |      |     |     |     |     |    |     |      |     |   |     |       | $\bigvee$ |           |
| 48 - 55                 |      |     |     |      |      |      |     |     |     |     |    |     |      |     |   |     |       | $\bigvee$ |           |
| 4.4                     |      |     |     |      |      |      |     |     |     |     |    |     |      |     |   |     |       | $\bigvee$ |           |
| 34 · 40                 |      |     |     |      |      |      |     |     |     |     |    |     |      |     |   |     |       | $\bigvee$ |           |
| 28 - 33                 |      |     |     |      | 1.   |      |     |     |     |     |    |     |      |     |   |     |       | $\bigvee$ | .7        |
| 22 - 27                 | .7   |     |     |      |      |      |     |     |     |     |    |     |      |     |   |     |       | $\bigvee$ | 4.        |
| 17 - 21                 |      |     |     |      |      | . 7  |     |     |     |     |    |     |      |     |   |     |       | $\bigvee$ | 1.        |
| 9 1                     |      |     | 1.3 | 2.0  | 1.3  | 3.3  |     |     | . 7 |     |    |     |      |     |   |     |       | $\bigvee$ | 8.7       |
| 7 . 10                  |      |     |     | 11.3 | 10.7 | 3.3  | 2.0 | 1.  |     | .7  |    |     | .7   |     |   |     |       | $\bigvee$ | 36.0      |
| •                       | 1.   | 2.0 | 4.7 | 10.1 | 11.3 | 3.3  | 1.  | 1.3 |     |     |    |     |      |     |   |     |       | $\bigvee$ | 40.7      |
| :                       | 1.   | 1.3 | 2.0 | 2.7  | 1.3  |      |     |     |     |     |    |     |      |     |   | .7  |       | $\bigvee$ | 10.0 40.7 |
| SPEED<br>(KNTS)<br>DIR. | z    | Z   | ¥   | Z    | -    | ESE  | 25  | SSE | s   | SSW | SW | WSW | *    | WWW | W | NNN | VARBL | CALM      |           |

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TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

0

STATION NAME

41406

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

WEATHER CLASS ALL

22 HOURS (LST.)

NOV

YEARS

73-77

STATION NAME

AGANA, GUAM

CONDITION

34 - 40

28 - 33

22 - 27

17 - 21

11 - 16

7 - 10

4.6

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9.0 15.0 3.4 0.9 10.0 6.8 0.9 MEAN WIND SPEED 10.0 3.3 ---26.7 12 48 - 55 41 - 47

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TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

1550

41406 STATION

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SURFACE WINDS

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ALL HOURS (L.S.T.

NON

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

YEARS 73-77 ALL WEATHER STATION NAME

AGANA, GUAM

41406 STATION

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CONDITION

| SPEED<br>(KNTS)<br>DIR. | 3         | ;         | 7 - 10    | 91 . 11   | 17 . 21   | 22 - 27   | 28 - 33   | 34 - 40   | 41 . 47   | 48 - 55   | 95<br>AI  | *     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z                       | .2        |           | 5.        | 4.        | -         | 1.        |           |           |           |           |           | 1.7   | 0.6                   |
| N.                      | 1.1       | 20.       |           | 5.        |           |           |           |           |           |           |           | 3.0   | 0.9                   |
| w Z                     | 1.5       | 3.7       | 2.7       | 1.0       |           |           |           |           |           |           |           | 6.8   | 4.0                   |
| Z                       | 3.1       | 10.6      | 10.1      | 4.1       |           |           |           |           |           |           |           | 28.1  | 7.3                   |
| -                       | 2.4       | 6.7       | 15.2      | 1:1       |           | .2        | •         |           |           |           |           | 34.5  | 8.5                   |
| ESE                     | 9.        | 2.1       | 5.1       | 3.4       |           |           |           |           |           |           |           | 12.2  | 10.0                  |
| 25                      | .2        | 1.2       | 1.6       | 1.8       | 4.        |           |           |           |           |           |           | 5.4   | 10.4                  |
| SSE                     | .2        | 4.        | .3        |           | • 2       |           |           |           |           |           |           | 1.3   | 9.1                   |
| 5                       | .2        | 2.        |           | 7:        |           | .2        |           |           |           |           |           | æ.    | 8.7                   |
| SSW                     |           | 2.        | .2        |           |           |           |           |           |           |           |           | 3.    | 6.8                   |
| NS.                     |           |           | .2        |           |           |           |           |           |           |           |           | 2.    | 8.5                   |
| WSW                     |           |           | 2.        | -:        |           |           |           |           |           |           |           | .3    | 8.8                   |
| *                       |           | 7.        | .2        | 7:        |           |           |           |           |           |           |           | 4.    | 9.4                   |
| WWW                     |           |           | .2        |           |           |           |           |           |           |           |           | • 2   | 6.7                   |
| ¥                       |           |           | -:        | 7.        |           |           |           |           |           |           |           | • 2   | 9.5                   |
| NN                      | .2        |           | 7.        |           | ~.        |           |           |           |           |           |           | .3    | 8.5                   |
| VARBL                   |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 1.9   |                       |
|                         | 9.6       | 28.6      | 37.3      | 18.9      | 2.8       | œ         | -         |           |           |           |           | 100.0 | 8.0                   |

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TOTAL NUMBER OF OBSERVATIONS

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124

TOTAL NUMBER OF OBSERVATIONS

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## SURFACE WINDS

338

10

DEC

PERCENTAGE FREQUENCY OF WIND

YEARS DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 73-76 NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC ACANA, GUAM

ALL WEATHER

41406 STATION

0

1550

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| 8 |   |     | 17 - 21 22 - 27 28 - 33 34 - 40 41 - 47 48 - 55 |
|---|---|-----|---|
|   |   |     |   |
|   | 8 | 620 |   |

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04 HOURS (L.S.T.)

DEC

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

(FROM HOURLY OBSERVATIONS)

YEARS 73-76 STATION NAME NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC ACANA, GUAM

W ATHER

ALL

41406

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CONDITION

7.0 0.4 0.9 0.9 7.3 MEAN WIND SPEED 5.67 5.6 36.3 9 100.0 12 48 - 55 41 - 47 34 - 40 28 . 33 22 - 27 œ **C**2 17 - 21 3.2 12.9 11 . 16 8.1 41.9 18.5 7 - 10 12.1 8.9 8.1 35.5 3.5 . .. WSW SSW WNW NN X VARBL CALM Z Z Z S. \* ø z

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124

TOTAL NUMBER OF OBSERVATIONS

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SMOS DIRNAVOCEANMET Ų

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NOURS (LST.)

DEC

100

124

TOTAL NUMBER OF OBSERVATIONS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS 73-76 ALL WEATHER STATION NAME

AGANA, GUAM

41406 STATION

0

1550

0

| SPEED<br>(KNTS)<br>DIR. | ÷:        | •         | 7 . 10    | 11 . 16   | 17 - 21   | 22 - 27 | 28 · 33   | 34 - 40   | 41 - 47   |               | 48 - 55 |           | 48 · 55   256 N |
|-------------------------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|---------------|---------|-----------|-----------------|
| z                       |           |           | eo •      |           |           |         |           |           |           |               |         |           |                 |
| NA.                     |           | 3.2       | 2.4       |           |           |         |           |           |           | 1             |         |           | 5.6             |
| WZ.                     | 1.6       |           | 0.4       | 1.6       |           |         |           |           |           |               |         |           | 13.7            |
| SKE                     |           | 10.5      | 15.3      | .00       |           |         |           |           |           |               |         |           | 34.7            |
| -                       | œ.        | 11.3      | 21.0      | 4.0       |           |         |           |           |           |               |         |           | 37.1            |
| ESE                     |           |           | æ.        | 1.0       |           |         |           |           |           |               |         |           | 5.4             |
| 35                      | 1.6       | . 3       |           |           |           |         |           |           |           |               |         |           | 5.4             |
| SSE                     |           | æ.        |           |           |           |         |           |           |           |               |         |           | 8               |
| s                       |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| SSW                     |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| SW                      |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| WSW                     |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| *                       |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| WNW                     |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| WN                      |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| NNN                     |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| VARBI                   |           |           |           |           |           |         |           |           |           |               |         |           |                 |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $/ \setminus$ | V       | $\bigvee$ | 5.4             |
|                         | 0.4       | 33.1      | 44.4      | 16.1      |           |         |           |           |           |               |         |           | 100.0           |

DIRNAVOCEANMET SMOS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

(FROM HOURLY OBSERVATIONS)

73-76

YEARS

NEATHER CLASS

ALL

STATION NAME

AGANA, GUAN

41406

0

3556

0

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NOURS (L.S.T.)

COMBITION

| SPEED<br>(KNTS)<br>DIR. | :         | ;         | 7 . 10    | 91 . 19   | 17 - 21   | 22 - 27 | 28 - 33   | 34 - 40   | 41.47     | 48 · 55   | 35<br>A1  |       | ,  |
|-------------------------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-------|----|
| Z                       |           |           | •         |           |           |         |           |           |           |           |           | •     | 3  |
| NNE                     |           | 5.4       |           | 5.4       |           |         |           |           |           |           |           | 6.4   | co |
| y X                     |           |           | 6.5       | 8.4       | <b>3</b>  |         |           |           |           |           |           | 12.1  |    |
| Z                       |           | 2.4       | 10.5      | 21.0      | •         |         |           |           |           |           |           | 34.   | -  |
| -                       |           | 5.4       | 13.7      | 19.4      | 5.4       |         |           |           |           |           |           | 37.9  | -  |
| 125                     |           |           | 3.5       | 3.2       | 1.0       |         |           |           |           |           |           | 8.1   | L  |
| 3                       | 8.        |           |           |           |           |         |           |           |           |           |           |       | -  |
| 356                     |           |           |           |           |           |         |           |           |           |           |           |       |    |
| •                       |           |           |           |           |           |         |           |           |           |           |           |       |    |
| SSW                     |           |           |           |           |           |         |           |           |           |           |           |       |    |
| SW                      |           |           |           |           |           |         |           |           |           |           |           |       |    |
| MSM                     |           |           |           |           |           |         |           |           |           |           |           |       |    |
| *                       |           |           |           |           |           |         |           |           |           |           |           |       |    |
| WNW                     |           |           |           |           |           |         |           |           |           |           |           |       |    |
| W                       |           |           |           |           |           |         |           |           |           |           |           |       |    |
| NNN                     |           |           |           |           |           |         |           |           |           |           |           |       |    |
| VARBL                   |           |           |           |           |           |         |           |           |           |           |           |       | 1  |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 0.    | _  |
|                         | 1.6       | 7.3       | 34.7      | 50.8      | 5.6       |         |           |           |           |           |           | 100.0 | _  |

3116

0

0.0

TOTAL NUMBER OF OBSERVATIONS

124

DIRNAVOCEANMET SMOS

DEC

13 HOURS (L.S.T.)

#0#

SURFACE WINDS

8.5

MEAN WIND SPEED

12.8

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4.5

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17 . 21

11 . 16

7 - 10

1.3

12.6 12.3

9.8

11.0

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0.4

PERCENTAGE FREQUENCY OF WIND (FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-76

STATION NAME

AGANA, GUAM

41406

ALL WEATHER

YEARS

80 3.2 12.9 33.1 6.5 100.0 75 48 - 55 41 . 47 34 - 40 28 - 33 22 - 27

TOTAL NUMBER OF OBSERVATIONS

5.0

61.3

29.0

0.4

124

12.1

SMOS DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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NNW VARBL

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## SURFACE WINDS

4.4

PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

|                            | 990         | FLACE        | 16          | HOURS (L. S.T. |           |
|----------------------------|-------------|--------------|-------------|----------------|-----------|
| (FROM HOURLY OBSERVATIONS) | 73-76       | YEARS        | ALL WEATHER | CLASS          | CONDITION |
|                            | AGANA, GUAH | STATION NAME |             |                |           |

| SPEED<br>(KNTS)<br>DIR. | £         | • •       | 7 - 10    | 91 - 11   | 17 - 21   | 22 - 27 | 28 · 33   | 34 - 40   | 41 - 47   | 48 - 55   | %<br>Al   | ×     | MEAN<br>WIND<br>SPEED |
|-------------------------|-----------|-----------|-----------|-----------|-----------|---------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| z                       |           | 8.        | 1.6       |           |           |         |           |           |           |           |           | 2.4   | 8.0                   |
| N X                     | 8.        |           | 1.6       | 1.6       |           |         |           |           |           |           |           | 0.4   | 9.6                   |
| ¥                       |           | 8.        | 8.4       | 6.7       | 8.        |         |           |           |           |           |           | 1001  | 11.7                  |
| ENE                     |           |           | 15.3      | 12.9      | 2.4       |         |           |           |           |           |           | 30.6  | 11.4                  |
|                         | Ø.        | 3.        | 16.9      | 19.4      |           |         |           |           |           |           |           | 38.7  | 10.9                  |
| ESE                     |           | 8.        | 3.2       | 2.4       |           |         |           |           |           |           |           | 6.5   | 10.5                  |
| 25                      |           |           | 1.6       |           |           |         |           |           |           |           |           | 1.6   | 0.6                   |
| SSE                     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| s                       |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| SSW                     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| SW                      |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| WSW                     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| *                       |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| WWW                     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| NW                      |           |           |           |           |           |         |           |           | 7         |           |           |       |                       |
| NNN                     |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| VARBL                   |           |           |           |           |           |         |           |           |           |           |           |       |                       |
| CALM                    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | X       | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 0.    |                       |
|                         | 1.6       | 3.2       | 45.2      | 0.95      | 0.4       |         |           |           |           |           |           | 100.0 | 11.0                  |
|                         |           |           |           |           |           |         |           |           |           |           |           |       |                       |

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

41406

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124

TOTAL NUMBER OF OBSERVATIONS

124

TOTAL NUMBER OF OBSERVATIONS

0

## SURFACE WINDS

| 50.5   |                     |                            |
|--|---------------------|----------------------------|
| PERCENTAGE FREQUENCY OF WIND                         | DIRECTION AND SPEED | (FROM HOURLY OBSERVATIONS) |
| NAVAL WEATHER SERVICE<br>DETACHMENT<br>ASHEVILLE, NC |                     |                            |

| 73-76        | DEC            |
|--------------|----------------|
| STATION NAME | HONTH          |
| ALL MEATHER  | 19             |
| CLASS        | MOURS (L.S.T.) |
| TOWNSON      |                |

41406 STATION

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| 28 . 33 34 . 40 | 34 - 40 | d · | 34 . 40 41 . 47 48 . 55                   |
|-----------------|---------|-----|---|
|                 |         | 8.  | 85 · 84 · · · · · · · · · · · · · · · · · |

8.0

MEAN WIND SPEED

9.8

SURFACE WINDS

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PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL WEATHER

CONDITION

73-76

STATION NAME

ACANA, GUAM

22 HOURS (L.S.T.)

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MONTH 330

SPEED (KNTS) DIR.

0

| ×       | 2.4 | 21.8 | 30.6 | 38.7 | 4.8 |  |  |  |  |  | 1.6       | 100.0 |
|---------|-----|------|------|------|-----|--|--|--|--|--|-----------|-------|
| %<br>AI |     |      |      |      |     |  |  |  |  |  | $\bigvee$ |       |
| 8 . 55  |     |      |      |      |     |  |  |  |  |  | $\bigvee$ |       |
| 41 . 47 |     |      |      |      |     |  |  |  |  |  | $\bigvee$ |       |
| 34 - 40 |     |      |      |      |     |  |  |  |  |  | $\bigvee$ |       |
| 28 · 33 |     |      | 1    |      |     |  |  |  |  |  | $\bigvee$ |       |
| 22 - 27 |     |      |      |      |     |  |  |  |  |  | $\bigvee$ |       |
| 17 . 21 |     |      | 80.  |      |     |  |  |  |  |  | $\bigvee$ | 8.    |
| 11 . 16 |     | 3.2  | 4.0  | 11.3 | 1.6 |  |  |  |  |  | $\bigvee$ | 20.2  |
| 7 - 10  |     | 12.1 | 12.1 | 13.7 | 1.6 |  |  |  |  |  | $\bigvee$ | 39.5  |
| • • •   | 2.4 | 8.4  | 10.5 | 15.9 | 8.  |  |  |  |  |  | $\bigvee$ | 31.5  |
| 1.3     |     | 1.6  | 3.2  | 8    | 8.  |  |  |  |  |  | X         | 6.5   |

TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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41406 STATION

5702

9 2 SURFACE WINDS

> PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NG

73-76

ALL MEATHER

STATION NAME

AGANA, GUAM

41406 STATION

1

1550

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YEARS

1

ALL HOURS (LST.)

DEC

| z z z z |           | 9:+       | 7 - 10    | 91 . 11   | 17 . 21   | 22 - 27   | 28 - 33   | 34 - 40   | 41 . 47   | 48 - 55   | %<br>AI   | *     | WEAN<br>WIND<br>SPEED |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|-----------------------|
| N N N   | 7.        | 7.        | 4.        | 1.        |           |           |           |           |           |           |           | 1.0   | 7.0                   |
| Z Z     | .2        | 2.6       | 1.0       | 1.0       |           |           |           |           |           |           |           | 8.4   | 7.5                   |
| FNE     | 0.        | 4.0       | 7.0       | 4.1       | •         |           |           |           |           |           |           | 16.3  | 8.7                   |
| -       | 1.7       | 6.7       | 12.2      | 10.1      | 00        |           |           |           |           |           |           | 31.5  | 9.5                   |
|         | 20.       | 9.0       | 16.4      | 13.3      | 6.        |           |           |           |           |           |           | 38.5  | 9.1                   |
| ESE     | .3        | 1.1       | 2.1       | 1.7       | 69        |           |           |           |           |           |           | 5.5   | 9.4                   |
| SE      | ۳.        | .2        | 7.        | -:        |           |           |           |           |           |           |           | 0.1   | 6.9                   |
| SSE     |           | ~         |           |           |           |           |           |           |           |           |           | 2.    | 0.4                   |
| s       |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| SSW     |           |           |           |           |           |           |           |           |           |           |           | ١.    | 3.0                   |
| SW      |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| WSW     |           |           |           |           |           |           |           |           |           |           |           | .1    | 0.4                   |
| *       |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| WNW     |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| ×       |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| NNN     |           | 1.        |           |           |           |           |           |           |           |           |           | 1.    | 4.0                   |
| VARBL   |           |           |           |           |           |           |           |           |           |           |           |       |                       |
| CALM    | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | $\bigvee$ | 1.1   |                       |
|         | 4.4       | 22.2      | 39.5      | 30.4      | 2.3       |           |           |           |           |           |           | 100.0 | 9.1                   |

885

TOTAL NUMBER OF OBSERVATIONS

0

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0

7.2

MEAN WIND SPEED

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88

. 27 22

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

7.2 8.4 6. 7.3 6.2 6.3

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS) DIRECTION AND SPEED

73-77

STATION NAME

AGANA, GUAM

41406

YEARS

ALL WEATHER

ALL HOURS (L.S.T.)

3.8 0.9 23.6 2 3 8 6 1 .. 100.0 0 0 ? 12 0. 0 . 55 4 0 0 41 - 47 0 0 • \$ 2 0

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1.1 2.2 4.7

11.5

1.6

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TOTAL NUMBER OF OBSERVATIONS

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16.1

33.6

27.7

13.8

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7.4

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DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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MURE

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CIG 200 TO 1400 FT W/VSBY 1/2 MI

INSTRUMENT

STATION NAME

AGANA, GUAN

ALL HOURS (LS.T.)

MONTH

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8180

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND

(FROM HOURLY OBSERVATIONS)

DIRECTION AND SPEED

94

ALL

YEARS

73-77

5.5 × 128 48 - 55 . 47 =

> 9 2

> 33

78

22 - 27

17 - 21

11 . 16

7 - 10

1.3

SPEED (KNTS) DIR.

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3.6

3.0 5.6

1.5

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X X X

MEAN WIND SPEED

168

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

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### ART D

# CEILING VERSUS VISIBILITY

equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
  - By month by standard 3-hour groups

station was meeting or exceeding any given set of minima may be determined from the figure at the intersection reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visiferring to totals in the extreme right band column. Also, visibility may be determined independently by bility. The totals progress to the right and downward. Ceiling may be determined independently by reon pages 2 and 3 below. U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque. includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

|                            | 0 1      | 1          | )         | 95.6   |        |            |                       | 98.1                  |     | 100.0 |
|----------------------------|----------|------------|-----------|--------|--------|------------|-----------------------|-----------------------|-----|-------|
|                            | × 1      | 1          |           |        |        |            |                       |                       |     |       |
|                            | > 5/16   |            |           |        |        |            |                       |                       |     |       |
|                            | ٧١ ٪     | 1          | $\rangle$ |        |        |            |                       |                       |     |       |
|                            | %<br>Al  | )          | )         |        |        |            |                       |                       |     |       |
|                            | %<br>N   |            |           |        |        |            |                       |                       |     |       |
| (S)                        | 71       |            |           |        |        |            |                       | 7.65                  |     | 98.3  |
| VISIBILITY (STATUTE MILES) | ×1 ×1    |            | )         |        |        |            |                       |                       |     |       |
| BILITY (ST.                | ۷۱<br>۱۷ | 3          |           |        |        |            |                       |                       |     |       |
| VISI                       | 2 2      | (          |           |        |        |            |                       |                       |     | 6.90  |
|                            | ≥ 2 1/2  | 7(         | (         |        |        |            |                       |                       |     |       |
|                            | N N      | 4          |           | 0.15   |        |            |                       |                       |     | 7.56  |
|                            | 7        | 7          |           |        |        |            |                       |                       |     |       |
|                            | \$ 1     | (          |           |        |        |            |                       |                       |     |       |
|                            | <b>9</b> | 3          |           |        |        |            |                       |                       |     |       |
|                            | 01 <1    | 3          | 7         |        |        |            |                       |                       |     |       |
| CEILING                    | (FEET)   | NO CEILING | 1         | N 1800 | N 1200 | % %<br>% % | VI VI<br>0 00<br>0 00 | VI VI<br>00 4<br>00 4 | N N | 8°    |

Read ceiling values independently of visibility under column at right headed > 0. For instance, from the table: Ceiling > 1500 feet = 92.6%.

Ceiling > 500 feet = 98.1%. EXAMPLE # 1

Read visibilities independently of ceilings on bottom line opposite > 0. From the table: Visibility > 3 miles = 95.4%.
Visibility > 2 miles = 96.9%.
Visibility > 1 mile = 98.3%. EXAMPLE # 2

To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%. EXAMPLE # 3

EXAMPLE # 4

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility Values below minimums stated in the table may be obtained by subtracting the value given In the table from 100%.

< 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet</p> and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value observations meeting the lower set of limits, but not meeting the higher set of limits. in the table for the second set of limits. The difference will be the percentage of

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

### PART D

### SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

- 1. By month and annual all hours and all years combined.
- 2. By month by standard 3-hour groups.
- Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in reavailable, were punched for Air Force stations beginning in 1946, but were not available for marks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data. NOTE: # 1:
- Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

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| OKTAS  |                  | or        |

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE

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(FROM HOURLY OBSERVATIONS)

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TOTAL NUMBER OF OBSERVATIONS

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**CEILING VERSUS VISIBILITY** 

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|                                |     |         | STATION NAM | PERCE | ENTAGE FREQUE | FREQ  | UENC)   | Y OF        | PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) | RENCE  | 2 111   |       |        |        | HOURS (LS | 111   |
|--------------------------------|-----|---------|-------------|-------|---------------|-------|---------|-------------|---|--------|---------|-------|--------|--------|-----------|-------|
| CEILING                        |     |         |             |       |               | 1     | VISI    | IBILITY (ST | VISIBILITY (STATUTE MILES)                                    | ES)    |         |       |        |        |           |       |
| (FEET)                         | 5 7 | o<br>Al | \$ 41       | **    | E AI          | 2 2%  | 7 1     | ¥1 ¥1       | ¥1 VI   | - AI   | ×<br>Al | *     | Z<br>Z | ≥ 5/16 | VI N      | 0 11  |
| NO CEILING                     |     | 64.5    |             | 64.5  | 64.5          | 64.5  | 64.5    | 64.5        | 64.5  | 64.5   | 64.5    | 64.5  | 64.5   | 64.5   | 64.5      | 64.5  |
| 00081 V                        |     | 76.8    |             | 76.8  | 10.8          | 76.8  | 76.8    | 76.8        | 76.8  | 76.8   | 76.8    | 76.8  | 16.0   | 76.8   | 76.8      | 76.8  |
| 1400                           |     | 76.8    |             | 76.8  | 76.8          | 20.00 | 76.8    | 76.8        | 76.8  | 76.8   | 10.0    | 76.8  | 90.0   | 76.8   | 76.8      | 76.8  |
| 0000                           |     | 85.2    | 85.2        | 85.2  | 85.2          | 85.5  | 85.2    | 85.2        | 85.2  | 85.2   | 85.2    | 65.2  | 85.2   | 85.2   | 85.2      | 85.2  |
| 000<br>000<br>000<br>000       |     |         | 88          | 4.00  | 4.00          | 4 4   | 4.68    | 9.88        | 4.88  | 4.00   | 88      | 000   | 4.88   | 4.88   | 88.4      | 88    |
|                                |     | 4.00    |             | 88.4  | 000           | 4 4   | 0 00 00 | 000         | 4 4 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6                       | 0 00 0 | 98.4    | 4 4   | 8 8 8  | 80 80  | 88.4      | 88.4  |
| 000<br>4 400<br>000<br>1 1 1 1 |     | 89.4    | 1           | 80.4  | 88.4          | 4.00  | 4.00    | 88.4        | 88.4  | 89.4   | 88.4    | 88.4  | 88.4   | 88.4   | 88.4      | 88.4  |
| 3300                           |     | 91.0    |             | 91.0  | 91.0          | 91.0  | 91.0    | 91.0        | 91.0  | 91.0   | 91.0    | 91.0  | 91.0   | 91.0   | 91.6      | 91.6  |
| 17 17 2000                     |     | 9.16    | 91.6        | 91.6  | 91.6          | 91.6  | 91.6    | 91.6        | 91.6  | 91.6   | 91.6    | 91.6  | 91.6   | 91.6   | 91.6      | 91.6  |
| 081 Y                          |     | 91.6    | 91.6        | 92.3  | 92.3          | 92.3  | 92.3    | 92.3        | 92.3  | 92.3   | 92.3    | 92.3  | 92.3   | 92.3   | 92.3      | 92.3  |
| 71 71<br>1000<br>1000          |     | 94.8    | 95.5        | 96.1  | 96.1          | 96.1  | 96.1    | 96.1        | 95.1  | 96.1   | 99.4    | 96.1  | 96.1   | 96.1   | 99.4      | 96.1  |
|                                |     | 95.5    | 97.4        | 99.4  | 4.66          | 4.66  | 99.4    | 99.4        | 4.66  | 4.66   | 4.66    | 4.66  | 4.66   | 99.4   | 99.4      | 99.4  |
|                                |     | 200     | 97.0        | 4.66  | 4.00          | 6 6 6 | 00.00   | 000         | 1000  | 1000   | 000     | 000   | 000    | 000    | 100.00    | 100.0 |
| 88                             |     | 95.5    | 97.4        | 4.66  | 4.66          | 4.66  | 000     | 100.0       | 100.0   |        | 0       | 100   |        |        | 100.0     | 100.0 |
| 8 8<br>1 A I A                 |     | 98.8    | 97.4        | 4.66  | 4.66          | 4.66  | 00.00   | 100.00      | 100.0   | 100.00 | 000     | 0000  | 000    | 000    | 100.001   | 100.0 |
| VI VI<br>8 o                   |     | 95.5    | 97.4        | 99.4  | 4.00          | 4.66  | 00.00   | 100.0       | 100.001   | 100.00 | 100.0   | 100.0 | 100.0  | 100.0  | 100.0     | 100.0 |

### -

**CEILING VERSUS VISIBILITY** 

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

HOURS (1 S T.)

....

| CEILING    |   |      |             |          |      |      | VISI | IBILITY (SY. | VISIBILITY (SYATUTE MILES) | ES)     |       |         |       |        |       |       |
|------------|---|------|-------------|----------|------|------|------|--------------|----------------------------|---------|-------|---------|-------|--------|-------|-------|
| (FEET)     | 5 | ٨١   | <b>S</b> Al | <b>4</b> | S AI | 2 2% | AI   | 71 71        | VI VI                      | -<br>AI | AI    | ∦<br>∧I | V VI  | ≥ 5/16 | AI N  | ٨١    |
| NO CEILING |   | 54.8 | 54.8        | 54.8     | 54.8 | 54.8 | 54.8 | 84.8         | 54.8                       | 54.8    | 54.8  | 54.8    | 54.8  | 54.8   | 54.8  | 54.8  |
| > 20000    |   | 67.1 | 2           | 67.1     | 67.1 | 67.1 | 67.1 | 67.1         | 67.1                       | 1       | 67.1  | 67.1    | 67.1  | 67.1   | 67.1  | 67.1  |
| ≥ 18000    |   | 67.1 | 67.1        | 67.1     | 67.1 | 67.1 | -    | 67.1         | 67.1                       | 67.1    | 67.1  | 67.1    | -     | 67.1   | 67.1  | 67.1  |
| ≥ 16000    |   | 67.7 | 2           | 67.7     | 67.7 | 67.7 | 67.7 | 67.7         | 67.7                       | 67.7    | 67.7  | 67.7    | 67.7  | 67.7   | 67.7  | 67.7  |
| 2 14000    |   | 67.7 | 67.7        | 67.7     | 67.7 | 67.7 | 67.7 | 67.7         | 1.                         | 67.7    | 67.7  | 67.7    | -     | 67.7   | 67.7  | 67.7  |
| ≥ 12000    |   | 71.0 | 7           | 71.0     | 71.0 | 71.0 | -    | 71.0         | 71.0                       | 71.0    | 71.0  | 71.0    | -     | 71.0   | 71.   | 71.0  |
|            |   | 76.8 | .9          | 76.8     |      |      |      | 76.8         |                            |         | •     | 76.8    | •     |        | 76.   | 76.8  |
| 0006 ×I    |   | 78.1 | 78.         | 78.1     | 78.1 |      | 8    | 78.1         | 8                          | 78.1    |       |         | 8     | •      | 78.   | 78.1  |
|            |   | 80.7 | 80.         |          | -    | 81.3 | :    | 81.3         | 81.3                       | :       | :     | -       | :     | -      | 81.   | 81.3  |
| > 7000     |   | 80.7 | 80.         | 80.7     | 81.3 | -    | 81.3 | •            | -                          | 81.3    | -     | -       | -     | -      | 81.   | 81.3  |
| 0009 4     |   | 81.3 | 81.         | 81.3     | 1.   | •    | 81.9 | 81.9         | :                          | -       | :     | :       |       | -      |       | 81.9  |
| > 2000     |   | 81.3 | 81.         | :        | -    | :    |      | •            | -                          | :       | -     | -       | -     | -      | 81.   | 81.9  |
| -          | 1 | 81.9 | 81.9        | 81.9     | 82.6 | 82.6 | 2.   |              | 82.6                       | 82.6    | 82.6  | 82.6    | 82.6  | 82.6   | 82.   | 82.6  |
| × 4000     |   | 83.2 | 83.         | 83.9     |      |      |      |              | 4                          | 4       |       |         |       | *      | 84.   | 84.5  |
| 200        |   | 83.9 | 84.         | 84.5     | 'n   | •    |      |              | 5                          |         | 3     | 85.2    |       | 85.2   | 85.   | 85.2  |
| > 3000     |   | 85.2 | 85.         | 85.8     | 87.1 | 7    | -    |              | -                          | :       | -     | -       | -     | -      |       | 87.1  |
| 2 2500     |   | 86.5 | 87.         | 87.1     |      | •    | 88.4 | 88.4         | 4.88                       | 88.4    |       | 88.4    |       | 88.4   | 88    | 88.4  |
| -          |   | 89.0 |             | 89.7     | -    | -    | -    | -            | 91.6                       | -       | -     | -       |       | -      |       | 91.6  |
| 1800       |   | 89.0 |             | 89.7     | 91.0 |      | -    | 91.6         | -                          |         | -     | 91.6    | =     | -      | 91.   | 91.6  |
|            |   | 8.06 |             | 91.0     | 2.   | 2    | 2    | 92.9         | 2                          | 3:      | 2     | 2       | 92.9  | 92.9   | 92.   | 92.9  |
| 1200       |   | 93.6 | 96          | 94.2     |      | 96.8 |      |              | 96.8                       |         | 96.8  | 96.8    |       | •      | 0     | 96.8  |
| 000        |   | 93.6 | 94.         | 8. 96    | 4.16 | 00   | 00   |              | 8                          |         | 8     |         | 98.1  | 98.1   | 1.86  | 98.1  |
| %<br>^I    |   | 93.6 |             | 94.8     | 97.4 |      |      | 98.7         | 98.7                       | 7.86    |       | 98.7    | 8     | 98.7   | 98.7  | 98.7  |
|            |   | 93.6 | 95.         | 95.8     |      |      | 98.7 | 4.66         | 4.66                       | 100.0   | 100.0 | 100.0   | 0     | 100.0  | 100.0 | 100.0 |
| 92 41      |   | 93.6 | 95.         | 95.5     | 98.1 | 98.7 | 98.7 | 4.66         |                            | 10000   | 100.0 | •       |       | 2      | 2     | 100.0 |
| 09<br>AI   |   | 93.6 | - 1         | 95.3     |      |      |      | 4.66         |                            | •       | 100.0 | 100.0   | 0     | 100.   | 100.0 | 100.0 |
|            |   | 93.6 | 95.5        | 95.5     | 98.1 | 98.7 | 7.86 | 4.66         |                            | 100.0   | 100.0 | 10001   | 0     | 100.0  | 10000 | 100.0 |
| v 40       |   | 93.6 | 95.5        | 95.5     |      |      | 98.7 | 4.66         |                            | 100.0   | 100.0 | 10000   |       | 100.0  | 100.0 | 100.0 |
| 8<br>Al    |   | 93.6 | 95.5        | 95.5     | _    | 98.1 | 7.86 | 4.66         | 4.66                       | 100.0   | 100.0 | 10000   | 0     | 100.0  | 10000 | 100.0 |
|            |   |      | 95.5        | 95.3     | 98.1 | _    | 7.86 | 4.66         | 4.66                       | 100.0   | 100.0 | 1000    | 100.0 | 100.0  | 100.0 | 100.0 |
| ٧١<br>8    |   | 93.6 | 95.3        | 95.5     | 98.1 | 98.1 | 98.7 | 4.66         | 4.66                       | 100.0   | 100.0 | 100.0   | 10000 | 10000  | 100.0 | 100.0 |
|            |   |      | 95.5        | 95.5     | 98.1 | 98.7 | 98.7 | 4.66         | 4.66                       | 100.0   | 100.0 | 100.00  | 100.0 | 100.0  | 100.0 | 100.0 |

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TOTAL NUMBER OF OBSERVATIONS

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HOURS (PS.T.)

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE

**CEILING VERSUS VISIBILITY** 

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| CEILING    |    |      |      |      |       |        | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES    |         | *     |       |        |      |        |
|------------|----|------|------|------|-------|--------|---------|-------------|----------------------------|-------|---------|-------|-------|--------|------|--------|
| (FEET)     | 71 | ۸I   | V)   | 4    | AI    | ≥ 2%   | 2 4     | ۲۱<br>۲۲    | VI VI                      | -     | ¾<br>Al | * 1   | Z, VI | 2 5/16 | AI   | ٨١     |
| NO CEILING |    | 49.7 | 1    | 49.7 | 49.7  | 7.64   | 1.64    | 49.7        | 49.7                       | 49.7  | 49.7    | 49.7  | 49.7  | 49.7   | .64  | .64    |
| 2 20000    |    | 08.8 | 1    | 65.8 | 4     | 65.    | 65.8    | 65.8        | 65.8                       | 65.8  | 65.8    | 65.8  | •     | 65.6   | 65.  | 8 65.  |
| V 18000    |    | 65.8 |      | 65.8 | 65.8  | 65.    | 65.8    | 65.8        | 65.8                       | 65.8  | 65.8    |       | 65.8  | 65.8   | 65.8 | . 65   |
| N 16000    |    | 66.5 | 66.  | 66.5 | 66.5  | 66.5   | 66.5    | 66.8        | 66.5                       | 66.5  | 66.5    | 66.5  | 66.5  | 66.5   | 66.  | 5 66.  |
| > 14000    |    | 67.1 | 67.  | 67.1 | 67.1  | 67.    | 67.     | 67.1        | 67.1                       | -     | 67.     | -     | 67.1  | -      | 67.  | 67.    |
| ≥ 12000    |    | 72.3 |      | 72.3 | 72.3  | 72.3   |         | 72.3        | 72.3                       | 72.3  |         | 72.3  | 72.3  | 72.3   | 72.  | 3 72.  |
|            |    | 80.0 | 80.  | 0    | 80.   | 80.    | 80.     |             | 0                          | 0     | 80.     | 0     | 80.0  | 0      | 80.  |        |
| 0006 AI    |    | 200  |      | 81.3 | 81.3  | 30     |         | 81.3        | 81.3                       |       | 81.3    | 81.3  | :     | 81.3   | 81.  | 00     |
| 1          |    | 84.5 | 84.  |      | 84.   | 84.    |         |             | ;                          | 84.5  | 84.5    |       | 84.5  | *      | 84.  | 5 84.  |
| × 7000     |    | 84.5 |      | 84.5 |       | 00     | 84.5    | 84.5        | 84.5                       | 84.5  | 84.5    |       | 84.5  | 84.5   | 84.  | 84.    |
|            |    | 85.2 | 85.  | 85.2 | 85.   |        | 85.2    | 85.2        | 85.2                       | 5     | 85.2    | 5     | 85.2  | 3.     | 85.2 | 85.    |
| 2000       |    | 85.8 |      | 5    |       | 85.8   |         | 85.8        | 85.8                       | 85.8  | 85.8    | 85.8  | 85.8  | 85.8   | 85.  | 8 85.  |
|            |    | 87.1 | 87.  |      | 87.1  | 00     | 87.1    |             | 87.1                       | 87.1  | 87.1    | 87.1  |       | 87.1   | 87.  | 87.    |
| 4000       |    | 89.0 |      | 89.0 | 89.0  | 89.0   | 0.68    | 89.0        | 89.0                       | 89.0  | 89.0    |       | 89.0  | 89.0   | 89.  | 89.    |
|            |    | 89.0 |      | 89.7 | 89.7  | 00     | 6       | 89.7        | 89.7                       | 89.7  | 89.7    | 89.7  |       | 0      | 89.  | . 68 7 |
| > 3000     |    | 90.3 |      | 91.0 | 91.0  |        | 91.0    | 91.0        | 91.0                       | 91.0  | 91.0    |       | 91.0  | 91.0   | 910  | 91.    |
| > 2500     |    | 91.6 |      | 92.3 | 92.3  | 92.3   | 92.3    | 92.3        | 92.3                       | 92.3  | 92.3    | 92.3  | 2     | 92.3   | 92.  | 9 92.  |
| > 2000     |    | 94.2 | 94.  | 94.8 | 0     | 94.    | . 76    | 94.8        | •                          | 94.8  | 94.8    |       | 94.8  | 94.8   | 94.  | 8 94.  |
| V 1800     |    | 94.2 |      | 8.46 | 8.46  |        | 8.46    | 8.46        | 94.8                       | 94.8  | 8.46    | 8.46  | 94.8  | 94.8   | 94.8 | 3 94.  |
|            |    | 95.5 |      | 96.1 | 96.1  | 96.1   | 96.1    | 96.1        | 96.1                       | 1.96  | 96.1    | 1.96  | 96.1  | 96     | 96   | 96     |
| > 1200     |    | 95.1 |      | 97.4 | 97.4  | 97.4   | 4.7.6   | 97.4        | 97.4                       | 97.4  | 97.4    | 97.4  | 4.16  | 97.4   | 97.4 | 97.    |
| VI 1000    |    | 96.8 | 1.00 | 99.4 | 4.66  |        | 4.66    | 4.66        | 4.66                       | 4.66  | 4.66    | 4.66  | 4.66  | 99.4   | 66   | .66    |
| %<br>AI    |    | 96.8 |      | 99.4 | 4.66  |        | 4.66    | 4.66        | 4.66                       | 4.66  | 4.66    | 4.66  | 4.66  | 4.66   | 99.  | 66     |
|            |    | 96.8 |      | 99.4 | 4.66  | 99.4   | 4.66    | 4.66        | 4.66                       | 4.66  | 4.66    | 4.66  | 4.66  | 99.4   | 99.  | . 66 4 |
|            |    | 96.8 |      | 4.66 | 99.4  | 4.66   | 4.66    | 4.66        | 4.66                       | 4.66  | 99.4    | 4.66  | 4.66  | 99.4   | 99.  | .66 4  |
| 009        |    | 96.8 |      | 99.4 | 100.0 | 100.0  | 100.0   | 100.001     | 100.001                    | 100.0 | 100.0   | 100.0 | 100.0 | 100.0  | 0100 | 0100   |
| 8          |    | 96.8 |      | 66.4 | 100.0 | 0      | 100.0   | 100.00      | 100.0                      | 100.0 | 100.0   | 0     | 100.0 | 100.0  | 1000 | 100    |
|            |    | 96.8 |      | 4.66 | 100.0 | 100.0  | 100.0   | 100.001     | 100.0                      | 100.0 | 100.0   | 100.0 | 100.0 | 100.0  | 100  | 0100   |
| 300        |    | 96.8 |      | 4.66 | 100.0 | -      | 100.001 | 0           | 0                          | 100.0 | 0       | 0     | 0.0   | 100.0  | 100  | 100    |
|            |    | 96.8 |      | 4.66 | 100.0 | 1000.0 | 100.0   | 100.00      | 100.00                     | 100.0 | 100.0   | 100.0 | 100.0 | 100.0  | 100. | 0100   |
| 8          |    | 96.8 |      |      | 100.0 | 100.0  | 100.0   | 100.001     | 100.001                    | 100.0 | 0.      |       | 100.0 | 100.0  | 1000 | 1000   |
|            |    | 96.8 |      | 4.66 | 100.0 | 100.0  | 100.01  | 100.0       | 100.0                      | 100.0 | 100.0   | 100.0 | 100.0 | 100.0  | 1000 | 0100   |

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5703 CEILING VERSUS VISIBILITY JAN 68

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HOURS (1 S T

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

ACANA, GUAM

| CEILING    |   |      |      | 4     |      |        | VISI    | IBILITY (ST. | VISIBILITY (STATUTE MILES | £S)     |         |         | -      |        |       |        |
|------------|---|------|------|-------|------|--------|---------|--------------|---------------------------|---------|---------|---------|--------|--------|-------|--------|
| (FEET)     | 2 | ۸I   | 80   | AI AI | e vi | N 21/4 | N AI    | ¥1 ¥         | 71                        | -<br>AI | Al Al   | *       | Z<br>Z | > 5/16 | AI    | ٨١     |
| NO CEILING |   | 44.5 | 44.5 | 44.5  | 44.5 | 44.5   | 44.5    | 64.5         | 44.5                      | 44.5    | 44.5    | 44.5    | 44.5   | 44.5   | 44.5  | 44.5   |
|            |   | 0103 | 0    | 0     | 0    | 1      | 0       | 0103         | 610                       | 0       | 2       | 010     | 4      | 1      | 010   | 010    |
| 18000      |   |      | 61.3 | 61.3  | 61.3 | 01.3   | 61.3    | 61.3         | 61.3                      | 61.3    | 61.3    | 61.3    | 01.3   | 01.3   | 610   | 61.3   |
| 1 16000    |   | 61.3 | 61.3 | 61.3  | 61.3 | 61.3   | 61.3    | 61.3         | 61.3                      | 61.3    | 61.3    | 61.3    | 61.3   | 61.3   | 6103  | 61.3   |
| 2 14000    |   | 61.9 | 6119 | 61.9  | 61.9 | 61.9   | 61.6    | 61.9         | 61.9                      | 61.9    | 61.9    | 61.9    | 61.9   | 61.9   | 61.9  | 61.9   |
| > 12000    |   | 63.9 | 63.9 | 63.9  | 63.9 | 63.9   | 63.9    | 63.9         | 63.9                      | 63.9    | 63.9    | 63.9    | 63.8   | 63.9   | 63.9  | 63.9   |
|            |   | 70.3 | 70.3 | 70.3  | 70.3 | 70.3   | 70.3    | 70.3         | 70.3                      | 70.3    | 70.3    | 70.3    | 70.3   | 70.3   | 70.3  | 70.3   |
| 0006 1     |   | 71.0 | 71.0 | 71.0  | 71.0 | 71.0   | 71.0    | 71.0         | 71.0                      | 71.0    | 71.0    | 71.0    | 71.0   | 71.0   | 71.0  | 71.0   |
|            |   | 74.8 | 74.8 | 74.8  | 74.8 | 74.8   | 74.8    | 74.8         | 74.8                      | 74.8    | 74.8    | 74.8    | 74.8   | 74.8   | 74.8  | 74.8   |
| 7000       |   | 74.8 | 74.8 | 74.8  | 74.8 | 74.8   | 74.8    | 74.8         | 74.8                      | 74.8    | 74.8    | 74.8    | 74.8   | 74.8   | 74.8  | 74.8   |
|            |   | 74.8 | 74.8 | 74.8  | 74.8 | 74.8   | 74.8    | 74.8         | 74.8                      | 74.8    | 74.8    | 74.8    | 74.8   | 74.8   | 74.8  | 74.8   |
| 2000       |   | 75.5 | 75.5 | 73.5  | 75.5 | 75.5   | 75.5    | 75.5         | 75.5                      | 75.5    | 75.5    | 75.5    | 75.5   | 75.5   | 75.5  | 75.5   |
|            |   | 76.1 | 76.1 | 76.1  | 76.1 | 76.1   | 76.1    | 76.1         | 76.1                      | 76.1    | 76.1    | 76.1    | 1001   | 76.1   | 76.1  | 76.1   |
| 4000       |   | 76.8 | 76.8 | 76.8  | 76.8 | 76.8   | 76.8    | 76.8         | 76.8                      | 76.8    | 76.8    | 76.8    | 76.8   | 76.8   | 76.8  | 76.8   |
|            |   | 77.4 | 77.4 | 77.4  | 77.4 | 77.4   | 77.4    | 77.4         | 77.4                      | 77.4    | 77.4    | 77.4    | 77.4   | 77.4   | 77.4  | 77.4   |
| 3000       |   | 78.7 | 78.7 | 78.7  | 78.7 | 78.7   | 78.7    | 78.7         | 78.7                      | 78.7    | 78.7    | 78.7    | 78.7   | 78.7   | 78.7  | 78.7   |
|            | - | 80.7 | 80.7 | 80.7  | 80.7 | 80.7   | 80.7    | 80.7         | 80.7                      | 80.7    | 80.7    | 80.7    | 80.7   | 80.7   | 80.7  | 80.7   |
| 2000       |   | 81.3 | 81.3 | 81.3  | 81.3 | 81.3   | 81.3    | 81.3         | 81.3                      | 81.3    | 81.3    | 81.3    | 81.3   | 81.3   | 81.3  | 81.3   |
|            |   | 82.6 | 95.6 | 82.6  | 82.6 | 82.6   | 82.6    | 82.6         | 82.6                      | 82.6    | 82.6    | 82.6    | 82.6   | 82.6   | 82.6  | 82.6   |
| 1500       |   | 87.1 | 87.1 | 87.1  | 87.1 | 87.1   | 87.1    | 87.1         | 87.1                      | 87.1    | 87.1    | 87.1    | 87.1   | 87.1   | 87.1  | 87.1   |
|            |   | 92.9 | 2.46 | 94.2  | 2.46 | 94.2   | 94.2    | 34.5         | 2.46                      | 94.2    | 94.2    | 34.5    |        | 34.2   | 2.46  | 94.2   |
| 2 1000     |   | 95.5 | 4.16 | 97.4  | 97.4 | 97.4   | 98.1    | 98.1         | 98.1                      | 98.1    | 98.1    | 98.1    | 98.1   | 98.1   | 98.1  | 98.1   |
|            |   | 95.5 | 97.4 | 4.16  | 4.16 | 4.16   | 98.1    |              | 98.1                      | 98.1    | 98.1    | 1.86    |        | 98.1   | 98.1  | 98.1   |
| 008        |   | 95.5 | 97.4 | 98.1  | 1.86 | 98.1   | 98.7    | 98.7         | 98.7                      | 98.7    | 98.7    | 98.7    |        | 98.7   | 98.7  | 98.7   |
|            |   | 95.5 | 97.4 | 98.1  | 98.1 | 98.1   | 98.7    | 98.7         | 1.86                      | 98.7    | 98.7    |         | 98.7   | 98.7   | 98.7  | 98.7   |
| 00<br>A1   |   | 96.1 | 98.1 | 98.7  | 7.86 | 98.7   | 4.66    | 4.66         | 4.66                      | 4.66    | 4.66    | 4.66    | 99.4   | 4.66   | 4.66  | 99.4   |
| 98         |   | 96.1 | 98.1 | 4.66  | 4.66 | 4.66   | 100.001 | 100.001      | 100.001                   | 100.0   | 100.001 | 00.00   | 0.001  | 100.0  | 100.0 | 100.0  |
| 004        |   | 96.1 | 98.1 | 4.66  | 4.66 | 4.66   |         | 100.001      | 100.001                   | 100.0   | 100.001 | 100.001 | 0.001  | 100.0  | 100.0 | 0100.0 |
| 300        |   | 1.96 | 98.1 | 4.66  | 4.66 | 4.66   | 100.001 | 100.001      | 100.00                    | 10000   | 100.001 | 100001  | 0.001  | 100.0  | 100.0 | 100.0  |
|            |   | 96.1 | 98.1 | 4.56  | 4.66 | 4.66   | 10001   | 100.001      | 100.0                     | 100.0   | 100.0   | 0       | 0.001  | 100.0  | 100.0 | 100.0  |
| 8          |   | 1.96 | 98.1 | 4.66  |      |        | 100001  | 100.001      | 100.0                     | 100.0   | 100.001 | 100.00  | 0.001  | 100.0  | 100.0 | 100.0  |
|            |   | 1096 | 98.1 | 4.66  | 4.66 | 99.4   | 100.00  | 100.0        | 100.0                     | 100.0   | 100.00  | 00.00   | 0000   | 10000  | 100.0 | 0000   |

TOTAL NUMBER OF OBSERVATIONS

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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

| CY OF OCCURRENCE                   | OBSERVATIONS)             |
|------------------------------------|---------------------------|
| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS |

| CEILING    |   |         |      |      |      |      |      |      | (Carama - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1 |        |       |      |      |        |       |      |
|------------|---|---------|------|------|------|------|------|------|--|--------|-------|------|------|--------|-------|------|
| (FEET)     | 5 | ٥<br>٨١ | \$ 1 | 1    | e Al | ≥ 2% | 2 4  | ¥1 ¥ | 71   | -<br>- | AI    | *    | N Z  | 2 5/16 | VI 74 | ٨١   |
| NO CEILING |   |         |      | 3    |      | 54.  |      | *    |  | 54.2   |       | 54.  | 54.  | 54.    | 54.   |      |
| 1× 20000   |   |         |      | 2    | 2.   | 72.  |      | 2    |  | 72.9   |       | 72.  | -    | 72.    | 72.   | 72.  |
| N 18000    |   | 73.6    | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6   | 73.6   | 73.0  | -    | 73.  | 73.6   | 73.6  |      |
| 1,000      |   | -       |      | 3    | •    | 73.  | -    | 3    | •  | 73.6   | •     | 73.  | 73.  | 73.    | 73.   | 73.  |
| 2 14000    |   |         |      | *    |      | 74.  | *    |      | •  | *      |       | 74.  | 74.  | 74.    | 74.   | 7    |
| ≥ 12000    |   |         |      | 76.8 |      | 76.  |      | 76.8 | 76.8   | 76.8   |       | 76.  | 76.  | 76.    | -     | 76.  |
| N 10000    |   |         |      | .0   | 0    | 80.  | 0    | 0    | 0  |        | 80.   | 80.  | 80.  | 80.    | 80.   |      |
|            |   |         |      | 81.3 |      | 81.  |      |      | 81.3   | 81.3   | 81.   | 81.  | 81.  | 81.    | 81.   | 81.  |
|            |   |         |      |      | 83.9 | 83.  |      | 3    |  |        | 83.   | 83.  | 83.  | 83.    | œ     | 83.  |
| ≥ 7000     |   |         |      |      |      | 83.  |      | 83.9 | 83.9   | 83.9   | 83.   | 83.  | 83.  | 83.    | 83.   | 83.  |
|            |   | 83.9    |      |      | 3.   | 83.  |      | 3.   |  | 3.     | 83.   | 83.  | 83.  | 83.    | 83.   |      |
| > 2000     |   | 83.9    |      | -    | 83.9 | 83.  |      | 3    | •  | -      | 83.   | 83.  | 83.  | 83.    | 83.   | 83.  |
|            |   | 83.9    |      |      | 3    | 63.  | -    |      |  |        | 83.   | 83.  | 83.  | 83.    | 83.   |      |
| 1 4000     |   | 87.1    |      | -    |      | 87.  |      | -    |  | -      | 87.   | 87.  | 87.  | 87.    | 87.   | 87.  |
|            |   | 87.7    |      | -    | 87.7 | 87.  | 7.   |      | 87.7   | -      | 87.   | 87.  | 87.  | 87.    | 87.   |      |
| > 3000     |   | 89.7    |      | 89.7 |      | 89.  |      | 6    | 6  | 89.7   | 89.   | 89.  | .68  | 89.    | 89.   | 89.  |
| > 2500     |   | 80.3    | €.06 | 0    | 0    | .06  |      | 0    |  | 0      | .06   | .06  | .06  | .06    | .06   |      |
|            |   | 91.0    |      | -    | 91.0 | 91.  |      | -    | -  | -      | 91.   | 91.  | 91.  | 91.    | 91.   | 91.  |
|            |   | 91.0    |      | -    | :    | 91.  | -    | -    | :  | -      | 91.   | 91.  | 91.  | 91.    | 91.   |      |
| > 1500     |   | 94.2    |      | 94.2 | 94.2 | 94.  |      | 94.2 | 94.2   | 94.2   | . 96  | .46  | 94.  |        | 94.   | 94.  |
|            |   | 96.8    |      |      |      | 96.  |      |      | .0   | .0     | 96.   | 96   | 96   | 96     | 0     | 96.  |
| 2 1000     |   | 97.4    | 97.4 | 98.7 | 8    | 98.  |      |      | 98.7   | 98.7   | 0     | .66  | 66   | 9      | 99.4  |      |
| 00<br>Al   |   | 97.4    | 97.4 | 98.7 |      | 98   | 98.7 | 98.7 |  | 7.86   | 99.4  |      | .66  | 99.4   | 0     | .66  |
|            |   | 97.4    | 97.4 | *    | 98.7 |      | 8.   | 8    |  | 8      | 99.4  | 6    | 0    |        | 0     | 66   |
|            |   | 97.4    | 97.4 |      | 98.7 |      | 8    | 8    | 8  |        | 4.66  | .66  | 99.  | 6      | 0     | 99.  |
| 9          |   | 97.4    | 97.4 | 7.86 | 98.7 | 98.7 |      |      | 4.66   | 4.66   |       | 100  | 10   |        | 100   | 100. |
| 200        |   | 97.4    | 97.4 |      | 98.7 |      | 6    | 4.66 |  | 6      | 00    | 100  | 100  | 00     | 100   | 0    |
|            |   | 97.4    | 97.4 | 98.7 |      |      | 4.66 | 6    | 6  |        | 100.0 | 100. | 1001 | 100.0  | 100   |      |
| 300        |   | 97.4    | 97.4 | -    |      | 7.86 | 0    | 4.66 | 6  | 4.66   | 00    | 2    | 100  | 100    | 100   | 0    |
| 700        |   | 97.4    | 97.4 | 98.7 | 98.7 | 98.7 | 4.66 | 4.66 | 4.66   | 4.66   | 0     | 1001 | 1001 | 100.   | 100   |      |
| 8          |   | 97.4    | 97.4 | 7.86 | 98.7 | 98.7 | 4.06 | 4.66 | 4.66   | 99.4   | 100.0 | 100  |      | 10000  | 10    | 100  |
|            |   |         |      |      |      |      |      |      |  |        |       | -    |      | ,      |       | ,    |

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1 9 ours (LST.)

| ₹CE                                |                            |
|------------------------------------|----------------------------|
| PERCENTAGE FREQUENCY OF OCCURRENCY | (FROM HOURLY OBSERVATIONS) |

| chamb        |      |      |         |       |         |       | VIS   | IBILITY (S) | VISIBILITY (STATUTE MILES) | LES)  |      |        |        |        |       |       |     |
|--------------|------|------|---------|-------|---------|-------|-------|-------------|----------------------------|-------|------|--------|--------|--------|-------|-------|-----|
| ii.          | 2 41 | AI   | 8       | AI AI | ε<br>Al | Y 2 % | 7     | V1 %        | VI<br>2.7                  | Ā     | VI % | * AI   | Z AI   | ≥ 5/16 | AI N  | ٨١    |     |
| Dec. (2) (2) |      | 61.0 | 61.9    | 61.9  | 1:      | 61.   | -     | 61.9        | 61.                        | 61.   | 61.  | 61.    | -      | 9 61.  | 9     | 9 61  | 0   |
| 1 10000      |      | 72.3 | 72.3    | 72.3  | 72.3    |       | 72.3  | 72.3        | 1                          |       | 72.  | 3 72.  | 3 72.  |        | 3 72. | 3 72  | 3   |
| 2 1830       |      | 72.3 | 72.3    | 72.3  | 72.3    | 72.3  | 72.3  | 72.3        | 72.3                       | 72.3  | 72.  | 3 72.  | 3 72.3 | 3 72.  | -     | 3 72  | .3  |
| 2 18000      |      | 72.3 | 72.3    | 72.3  | 72.3    | 72.3  | 72.3  | 72.3        | ~                          | 72.3  | 72.  | 3 72.  | 1      | 3 72.  | 3 72. | 3 72  |     |
| 2 14000      |      | 72.9 | 72.9    | 72.9  | 72.9    | 72.9  | •     | 72.9        | 72.9                       | 1     | 1    | 9 72.  | •      | 9 72.  | 9 72. | 9 72  | 6.  |
| 2 :2000      |      | 76.1 | 76.1    | 76.1  | 76.1    | 76.1  | 76.1  | 76.1        | 76.1                       | 76.1  | 76.  | 1 76.  | 1 76.1 | 76.    | 1 76. | 1 76. |     |
| 2 10000      |      | 85.8 | 85.8    | 85.3  | •       | 85.   |       | 85.8        | 85.8                       | 85.8  | 85.  | 85.    | 8 85.8 | 80     | 5.    | 8 85  | 8   |
| 0000 A       |      | 86.5 | 86.5    | 86.5  | . 9     | 00    |       |             | 86.                        | ဆ     | 86.  | •      | . 9    | 5 86.  |       | 5 86. | .5  |
| 9000 A       |      | 89.0 | 89.0    | 89.0  |         | 89.   | 89.0  |             | 89.                        | 89.0  | 89.  | 89.    | 89.    | 00     |       | 68 0  | 0   |
| > 7000       |      | 89.7 | 89.7    | 89.7  | 89.7    | 89.   | 89.7  | 89.7        | .68                        | .68   | 89.  | 7 89.  | 7 89.7 | 68 4   | 7 89. | 7 89. |     |
| -            |      | 89.7 | 89.7    | 89.7  | 89.7    | 89.7  | 89.7  | 6           | 89.7                       | 89.7  | .68  |        |        | . 68   | 7 89. | 7 89. |     |
| > 8000       |      | 89.7 |         | 89.7  | 89.7    | 89.7  | 89.7  |             | 89.7                       | 89.7  | 89.  | 7 89.  | 7 89.  | . 68   | 7 89. | 7 89. |     |
|              |      | 89.7 | 90.3    | 90.3  | 90.3    | 0     | 90.3  | 90.3        | 90.3                       | 90.3  |      | 3 90 € | 3 90.3 | 900    | 3 90. | 3 90. | 3   |
| 0007 -       |      | 92.9 |         |       | -       | 93.   | 93.6  | 93.6        | 93.                        | 0     | 93.  | 93.    | 6 93.6 | 93.    | 6 93. | m     |     |
| > 3500       |      | 94.2 | 8.46    | 8.46  | 94.8    | 6     | 94.8  | 94.8        | 0                          | 8.76  | . 46 | *      | +      | 8 94.  | 8 94. |       | . 8 |
| 3000         |      | 8.56 | 5       | 95.5  |         | 95.5  | 95.5  | 95.5        | 95.                        | 0     | 95.  | 5      | 5      | 95.    | 5 95. | 5 95  | .5  |
| 2 2500       |      | 94.8 | 98.5    | 3     | 95.5    | 95.8  |       | 5.          | 95.                        | 95.   | .56  | 5.     |        |        | 5.    | 5 95  | .5  |
| ≥ 2000       |      | 94.8 |         | 96.1  |         | 96.1  | 96.1  | 96.1        |                            | 96.1  | 96   | 1 96.  | 1 96.1 | 96     | 1 96. | 1 96  | -   |
| -            |      | 94.8 |         | 96.1  | . 9     | 96.   | 96.1  | 96.1        | 96.1                       | 96.1  |      |        |        | 0      |       | 1 96. | -   |
| ≥ 1500       |      | 95.5 | 96.8    | 96.8  | 96.8    | 6     |       | 96.8        | 96.                        | 6     | .96  | 8 96.1 |        |        | •     | 8 96  | 00  |
| N 1200       |      | 98.1 | 4.66    | 4.66  | 4.66    | 4.66  | 4.66  | 4.66        | 4.66                       | 99.4  | .66  | 1.66 4 | 4 99.4 | 66 4   | 66 5  | 66 4  | 4   |
|              |      | -    | 100.001 | 100.0 | 100.0   | -     | 100.0 | 100.0       | 100.0                      | 100.0 | 100  | 0100.0 | 0100.0 | 0100.  | 0100  | 0100  | 0   |
| 08 1         |      | 98.1 | 100.001 | 100.0 | 100.0   | 100.0 | 10000 | 100.0       | 100.0                      | 10000 |      | 0100.  | 0      | 0100.  | 0100  | 0100  | 0   |
| 00<br>A      |      | 98.1 | 100.001 | 100.0 | 100.0   | 100.0 | 100.0 | -           | 100.                       | 10    | 100  | 0100.0 | 0100.0 | 0100.  | 0100  | 0100  | 0   |
|              |      | 98.1 | 100.001 | 100.0 | 100.0   | 100.0 | 100.0 | 100.0       | 100.0                      | 100.0 | 100. | 0100.0 | 0100.0 | 0100.  | 0100  | 0100  | 0   |
| 09<br>AI     |      | 98.1 | 100.001 | 100.0 | 100.0   | 100.0 | 100.0 | 100.0       | -                          | 100.0 | -    | 0100.0 | 0100.0 | 100    | 0100  | 0100  | 0   |
| 2 500        |      | 98.1 | 100.001 | 100.0 | 100.0   | 100.0 | 100.0 | 100.0       | 100.0                      | 100.0 | 100. | 0100   | 0,0010 | 100.   | 0100  | 0100, | 0   |
|              |      | 98.1 | 100.001 | 100.0 | 100.0   | 100.0 | 100.0 | 100.0       | 100.0                      | 100.0 | 100  | 0100.0 | 0100.0 | 0100.  | 0100  | 0100  | 0   |
| 88           |      | 98.1 | 100.00  | 100.0 | 100.0   |       | 100.0 |             | 100.0                      |       |      |        | 0      | 10     | -     | 0100  | 0   |
|              |      | 98.1 | 100.0   | 0.001 | 100.0   | 100.0 | 100.0 | 100.0       | 100.0                      | 100.0 | 100  | 0010   |        | 0100   | 0010  | 0010  | •   |
| 8            |      | 98.1 | 100.00  | 0.001 | 100.0   | 10000 | 100.0 | 100.0       | 100.0                      |       | 100  | 0100   | 0      | 0100   | 0100  | 0100  | 0   |
|              |      | 78.1 | 100.0   | 100.0 | 100.0   | 100   | 100.0 | 100.0       | 100.0                      | 100.0 | 100  | 0010   | 0010   | 010    | 100   | 0100  | 0   |

5703 CEILING VERSUS VISIBILITY JAN 68

= 1

TOTAL NUMBER OF OBSERVATIONS

=

CEILING VERSUS VISIBILITY

| 1                                  |                            |
|------------------------------------|----------------------------|
|                                    |                            |
| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
| A                                  |                            |

| (FEET)     |   |      |       |      |      |       |       |          |          |       |         |       | The state of the s | The second secon |         |       |
|------------|---|------|-------|------|------|-------|-------|----------|----------|-------|---------|-------|--|--|---------|-------|
|            | 2 | 9    | \$ 41 | 4    | N AI | 2 2%  | 7 1   | ۷۱<br>۲۲ | VI<br>7. | -     | %<br>AI | *     | VI<br>%  | ≥ 5/16   | VI<br>Z | ٨١    |
| NO CEILING |   |      | 61.9  |      | 61.9 | 61.9  |       | -        | -        | :     |         | 6119  |  | 61.  | 61.     | 61.9  |
| > 20000    |   | 74.8 | 74.8  | 74.8 | 74.8 | 74.8  | 74.8  | 74.8     | 74.8     | 74.8  | 74.8    | 74.   | 74.8   | 74.  | -       | 74.8  |
| ≥ 18000    |   |      | 74.8  | 74.8 | 74.8 | 74.8  | 74.8  | 74.8     | 74.8     | 74.8  | 74.8    | 74.8  | 74.8   | 74.8   | 74.8    | 74.8  |
| ≥ 16000    |   | 74.8 |       | 74.8 | 74.8 | 74.8  | 74.8  | 74.8     | 74.8     | 74.8  | •       | 74.8  |  | 74.  | 74.     | 74.8  |
| > 14000    |   | 74.8 |       | 74.8 | 74.8 | 74.8  | 74.8  | 74.8     | 74.8     | 74.8  |         | 74.8  | 74.8   | -  | -       | 74.8  |
| ≥ 12000    |   | 77.4 | 77.4  | 77.4 | 77.4 | 77.4  | 77.4  | 77.4     | 77.4     | 77.4  | 77.4    | 77.4  | 77.4   | 77.4   | 77.4    | 77.   |
|            |   | 85.8 | 85.8  | 85.8 | 85.8 | 5     |       | 85.8     |          |       | 85.8    | 85.8  | 85.8   |  |         | 85.8  |
| N 2000     |   | 87.1 | 87.1  | 87.1 | 87.1 |       | 87.1  | 87.1     | 87.1     | 87.1  | 87.1    | 87.1  | 87.1   | 87.1   | 87.1    | 87.   |
|            |   | 90.3 | 600   | 90.3 | 90.3 | 90.3  | .0    |          | 90.3     | .0    | 90.3    |       | 90.3   |  | •06     | 90.3  |
| > 7000     |   | 90.3 | 90.3  | 90.3 | 90.3 | 0     | 90.3  | 90.3     | 90.3     | 90.3  | 90.3    | 90.3  | 90.3   | 90.3   |         | 90.3  |
|            |   | 90.3 | 6.06  |      | 6.06 | .0    | .0    |          |          | .0    | •       | 80.3  | 90.3   |  | .06     | 90.3  |
| 2000       |   | 90.3 | 90.3  | 90.3 | 90.3 |       | 90.3  | 90.3     | 90.3     | 90.3  | 90.3    |       | 90.3   | 90.3   |         | 90.3  |
|            |   | 90.3 | 6     |      | 8006 | 90.3  |       |          |          | ò     | 0       | .06   | .06  | 90.  | .06     | 90.3  |
| 14 4000    |   | 91.0 |       | 91.6 | 91.6 | -     | 91.6  | 91.6     | 91.6     | 91.6  | 91.6    |       |  |  | 91.6    | 91.6  |
|            |   | 91.0 |       | 91.6 | 916  | 91.6  |       | 91.6     | •        | -     |         | 91.   | .16  | 91.  | 91.     | 91.6  |
| > 3000     |   | 92.9 | 93.   |      |      | 93.6  | 93.6  | 93.6     | 93.6     | 93.6  | 93.6    | 93.   |  |  | 93.6    | 93.6  |
| ≥ 2500     |   | 93.6 | 2.46  | 2.46 | *    | 94.2  |       | 2.46     | 84.5     | 94.2  |         | 94.2  | 94.2   | 94.2   | 94.2    | 94.2  |
|            |   | 94.8 | 95.5  | 95.5 | 95.5 | 3     | 3     | 95.5     | 5.       | 5     | •       |       |  | 3  | 95.     | 95.5  |
| × 1800     |   | 8.76 | 95.5  | 95.5 | 95.5 | 95.5  | 95.5  | 95.5     | 95.5     | 95.5  | •       | 0     | 95.5   | 95.5   | 95.5    | 95.5  |
|            |   | 95.5 | 96.1  | 96.1 | 96.1 | 96.1  | 96.1  | 96.1     |          | 96.1  |         | 96.1  |  |  | 96.1    | 96.   |
| 1200       |   | 96.8 | 97.4  | 97.4 | 4.70 | 4.76  | 4.76  | 97.4     | 97.4     | 97.4  | 97.4    |       |  | 97.4   | 97.4    | 97.4  |
|            |   | 98.1 | 98.7  | 98.7 | 98.7 | 98.7  | 9.66  | 40.66    | 9.66     | 4.66  | 4.66    | 4.66  | 99.4   | 99.4   | 99.4    | 99.4  |
| 8<br>AI    |   | 98.1 | 98.7  | 4.66 | 4.66 | 4 66  | 100.0 | 100.00   | 0.001    | 1000  | 100.0   | 10000 | 100.0  | 100.0  | 10      | 1000  |
|            |   | 98.1 | 98.7  | 4.66 | 4.66 | 4 66  |       | 100.0    |          | 0     | 100.0   | 100.0 | 100.0  | 1100.0   | 100.0   | 100.0 |
| 700        |   | 98.1 | 98.7  | 4.66 | 4.66 | 4.66  | 100.0 | 100.00   | 0.001    | 100.0 | 100.0   | 100.0 | 100.0  | 10000  | 100.0   | 100.0 |
| 0 <b>9</b> |   | 98.1 | 98.7  | 4.66 | 4.66 | 4.66  | 100.0 | 100.0    | 00.00    | 100.0 | 100.0   | 100.0 | 100.0  | 10000  | 100.0   | 100.0 |
| 90<br>Al   |   | 98.1 | 98.7  | 4.66 | 4.66 | 4 66  | 100.0 | 100.0    | 0.001    | 100.0 | 100.0   | 100.0 | 100.0  | 10000  | 100.0   | 100.0 |
|            |   | 98.1 | 98.7  | 4.66 | 4.66 | 4.66  | 100.0 | 100.00   | 00.00    | 100.0 | 100.0   | 10000 | 100.0  | 10000  | 100.0   | 100.0 |
| 38         |   | 98.1 | 98.7  | 4.66 | 4.66 | 4. 66 | 100.0 | 0.001    | 0.001    | 100.0 | 100.0   | 100.0 | 100.0  | 10000  | 100.0   | 100.0 |
|            |   | 98.1 |       | 4.66 | 4.66 | 4.66  | 0000  | 100.0    | 0000     | 100.0 | 100.0   | 1000  | 100  | 100.0  | 100.0   | 100   |
| VI .       |   | 98.1 | 98.1  | 4.66 | 4.66 | 4.66  | 0.001 | 100.0    | 0.001    | 1000  | 100.0   | 10001 | 100  | 10000  | 10000   | 100   |
|            |   | 98.1 | 98.1  | 4.66 | 4.66 | 99.4  | 0000  | 00.00    | 0000     | 1000  | 100.0   | 100.0 | 100  | 1000   | 100     | 100   |

TOTAL NUMBER OF OBSERVATIONS

= 1

HOURS ( ST.

CEILING VERSUS VISIBILITY

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GUAM

| CEILING<br>(FEET) |         |      |          |          |         |      | VISI | BILITY (STA | VISIBILITY (STATUTE MILES) | (S)     |         |       |         |        |         |     |
|-------------------|---------|------|----------|----------|---------|------|------|-------------|----------------------------|---------|---------|-------|---------|--------|---------|-----|
|                   | ۸I<br>2 | ٨١   | ss<br>Al | <b>4</b> | ε<br>ΛΙ | 1 2% | 7    | 71          | 7                          | <u></u> | ≱<br>Al | *     | Z<br>Al | ≥ 5/16 | VI<br>Z | ۸I  |
| NO CEILING        |         | 57.0 | -        | 57.0     | 57.0    | 57.0 | 7    |             | 57.0                       | 57.0    |         | 7.    |         | 57.0   | 57.0    | 57. |
| N 20000           |         | 70.7 | 0        | 70.7     | 70.7    | d    | 70.7 | 70.7        | 70.7                       | 70.7    | 70.7    | 0     | 70.7    |        | 70.7    | 70. |
|                   |         | 70.8 | 0        |          | 0       |      | 0    |             | .0                         |         | 0       | 0     |         | •      | 70.8    | 10. |
| 0009L ~           |         | 71.0 | -        | 71.0     | 71.0    | 71.0 | 71.0 | 71.0        | 71.0                       | 71.0    | 71.0    | -     | 71.0    | 71.0   | 71.0    | 71. |
|                   |         | 71.4 |          |          | -       | -    | 71.4 | 71.4        | 71.4                       | 71.4    | 71.4    | 71.4  |         | 71.4   | 71.4    | 71. |
| ≥ 12000           |         | 76.6 |          |          | 74.4    | 74.4 | 74.4 | 74.4        | 74.4                       | 74.4    | 74.4    | +     | 74.4    | 74.4   | 74.4    | 74. |
|                   |         | 80.0 | 80.      | 6        | 0       | 6    | 6    |             | 0                          |         | 80.9    | 0     | 80.9    |        | 80.9    |     |
| 8                 |         | 82.0 | 82.      | 82.0     | 82.0    | 82.0 | 82.0 | 82.0        | 82.0                       | N       | 2       | 2     | 2       | 2      | •       | 82. |
| 1                 |         | 84.6 | 84.      |          | 3       | 3    | 4    | ,           | 4                          |         |         |       | *       | 3      | 84.7    |     |
| 141               |         | 84.7 | 84.7     | 84.7     | 3       | 84.8 |      | 84.8        | ;                          |         | 84.8    |       | 84.8    | 84.8   |         | 84. |
| 1                 |         | 84.8 |          | 4        |         |      |      |             | 84.9                       | 84.9    | 84.9    |       | 84.9    |        | 84.9    | 8   |
| 2000              |         | 85.0 | 8        | 85.0     | 5       | 85.1 | 85.1 |             | 2                          | 85.1    | 85.1    | 3     |         | 85.1   | 85.1    | 85. |
| 1                 |         | 88.3 | 2        | 3        | 3       | 3    |      | 3           | 3                          | 3       |         | 3     | 5       | 3      | 85.5    | 85. |
| 141               |         | 87.0 | -        | 87.3     | 87.3    | 87.3 | 87.3 | -           | 87.3                       | -       | 87.3    | -     |         | 87.3   | 87.3    | 87. |
|                   |         | 87.7 | 2        |          | 8       | 8    |      |             | 8                          |         |         |       | 8       | 8      |         |     |
| 300               |         | 89.3 | 6        | 0        | 6       | 6    | 6    |             | 6                          | 0       | 6       | 6     | 6       | 89.8   | 89.8    |     |
|                   |         | 90.0 | 90.2     |          | 90.5    | 90.5 |      | 90.5        | 90.5                       |         | 90.5    | 90.5  | 90.5    |        |         | 90  |
| 7 2000            |         | 91.0 | -        | :        | :       | -    | :    | -           | :                          | 91.7    | -       | -     | -       | -      | -       |     |
| 1                 |         | 91.1 | :        | -        | -       | -    | :    | -           | :                          | :       | :       |       | :       | :      | -       | 1   |
| 98                |         | 93.0 | -        | 93.6     | 93.7    | 93.8 | 93.8 | 93.8        | 6                          | 93.8    | 93.8    |       |         | 93.8   | 93.8    | 93  |
|                   |         | 95.5 |          | .0       |         |      | 9    |             | •                          |         |         |       |         | •      | ;       |     |
| 90                |         | 96.4 | -        |          | 7.86    |      | 6    |             | 6                          | 0.66    |         |       | 6       | 6      | 1.66    | 66  |
|                   |         | 96.5 | -        |          |         | 0.66 | 6    |             | 6                          |         | 4.66    |       |         |        | 4.66    | 99. |
| 8                 |         | 96.5 | -        |          |         | 6    | 6.66 |             | 6                          | 99.5    |         |       |         | 6      | 99.6    |     |
|                   |         | 96.5 | -        |          |         | 6    | 99.3 | 4.66        |                            |         |         |       |         | 6      |         | 66  |
| 8                 |         | 96.3 | 8        |          |         |      | 9.66 |             | 6                          | 0       |         |       | 6.66    | 6      |         | 6   |
|                   |         | 96.5 |          | *        | 66.3    | 4.66 | 7.66 | 8.66        | 8.66                       | 0       | 100.001 | 0.001 | 0       | 0.0    | 0       | 0   |
| 8                 |         | 96.5 |          |          |         | 4.66 | 1.66 |             |                            | •       |         | ò     | 0       | 0.0    | 0       |     |
|                   |         | 96.5 |          | 8        |         | 4.66 |      |             |                            | 6.6     | 0000    | ò     | 0.001   | 0.0    | 100.0   |     |
| 38                |         | -    |          | 98.8     | 66.3    | 4.66 | 1.66 | 99.8        |                            | 6.66    | 100.00  | 100.0 | 0.001   |        | 0       | 100 |
| 8                 |         | 96.5 | 0.86     | 8.86     | 66.3    | 4.66 | 1.66 | 99.8        | 6                          | 6.66    | 100.001 | 0     | 0.001   | 100.0  | 10000   | 100 |
| ٨١                |         | -    |          | •        | 99.3    |      |      | 99.8        | •                          | 6       | 100.01  | 000   | 100.0   | 100.0  |         | 100 |

TOTAL NUMBER OF OBSERVATIONS

1240

HOURS (EST.)

### 5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| S. S. S. S. S. S. S. S. S. S. S. S. S. S |     |      |      |       |       |        | VIS.  | SIBILITY (ST | VISIBILITY (STATUTE MILES) | ES)   |         |       |       |        |       |       |
|--|-----|------|------|-------|-------|--------|-------|--------------|----------------------------|-------|---------|-------|-------|--------|-------|-------|
| (FEET)                                   | N 2 | ۸I   | N AI | AI    | N AI  | 2 2%   | N AI  | YI %         | VI<br>N                    | Ā     | ₹<br>Al | * 11  | Z AI  | ≥ 5/16 | N N   | 0 11  |
| NO CEILING                               |     | 61.0 | 61.  |       | 61.   | 61.    | 61.   | 61.          | 61.                        | -     | -       | -     | -     | 61.    | 1     | 61.0  |
| ≥ 20000                                  |     | 78.2 | 75.  | 78.9  | 78.   |        | 78.9  |              | 75.9                       | 78.9  | 75.9    | 75.9  | 75.9  | 75.9   | 75.9  | 75.9  |
| 18000                                    |     | 75.2 | 75.9 | 75.9  | 75.9  | 75.9   | 75.9  | 75.9         | 75.                        | 75.9  | 75.9    |       | 75.9  | 75.9   | 75.9  | 75.9  |
| 1 10000                                  |     | 75.2 | 75.  |       | 75.   | 75.    | 75.   | 75.          | 75.                        | •     | 75.9    | •     |       | 75.    | 75.   | 75.9  |
| N 14000                                  |     | 75.9 | 70.  | 76.6  | 76.   | -      | 76.6  | 76.          | 76.                        |       | 76.6    | 76.6  | 76.6  | 76.6   | 76.6  | 76.6  |
| N 12000                                  |     | 78.0 | -    | 78.7  | 78.7  | 78.    | 78.   | 78           | 78.7                       | 78.7  | 78.7    | 78.7  | 78.7  |        | 78.7  | 78.7  |
| N 10000                                  |     | 81.6 |      |       | 83.   | 63.    | 0     | 83.          | 83.                        |       | 9       |       |       | •      | 83.0  |       |
|  |     | 83.7 |      | 85.1  | *     |        | 85.   | 00           | 85.1                       | 85.1  | 85.1    | 85.1  | 85.1  | 85.1   | 85.1  | 85.1  |
| 0008                                     |     | 85.1 | 85.8 | 86.5  | 86.   | 86.    | 86.   | 86.          | 86.                        | 86.5  | 86.5    | 86.5  | ;     | 86.5   | 86.5  | 86.5  |
|  |     | 85.1 | •    | •     | 00    |        | 86.   | 8            | 86.                        |       | •       |       |       | 9      | 9     |       |
| 0009                                     |     | 85.1 |      |       | 86.5  | 86.    | 00    | 86.          | 00                         |       | 86.5    | 86.5  | ;     | 86.5   | 86.5  | 86.5  |
|  |     | 85.1 |      | 86.5  |       | 86.    | 86.   | 86.          | 86.                        | 86.5  | 86.5    | 86.5  | 86.5  | •      | 86.5  |       |
| > 4500                                   |     | 85.1 | 85.8 |       |       | 8      | 86.5  | 86.          | 86.                        |       | 86.5    | 86.5  |       | 8      | 86.5  |       |
| 1 4000                                   |     | 65.8 | 86.5 | 87.2  | 7     |        | 87.2  | 87.2         |                            | 87.2  | 87.2    | 87.2  | 7.    | 87.2   |       | 87.2  |
| > 3500                                   |     |      | 87.9 | 88.7  | 88.7  | 7.88 7 | 88.7  | 88.7         | 88.                        | 88.7  | 88.7    | 88.7  |       | •      | 88.7  | 88.7  |
|  |     | 88.7 | 89.4 | 90.1  |       |        | 90.1  |              | 0                          |       |         |       |       | 90.1   | 90.1  | 90.1  |
| > 2500                                   |     | 89.4 |      | 90.8  | 0     | .06    | .06   | 90.          | .06                        |       | 8.06    | 8.06  | 90.8  | 90.8   | 90.8  | 90.8  |
|  |     | 90.1 | 90.6 |       | 91.   | 0      | 91.5  | 16           | 91.                        | 91.5  | -       |       | -     |        |       | 91.5  |
| 1800                                     |     | 90.1 | •    | 91.5  | 91.   | •      | 91.   | 91.          | •                          | -     | 91.5    | •     |       | 91.    |       | 91.5  |
|  |     | 92.9 | 64.3 | 3.    | 95.   | 95.    | 95.   | 95.0         | 95.                        | 95.0  | 3       |       | 3     | 95.    | 3     | 95.0  |
| Z 1200                                   |     | 95.0 | 97.  | 97.9  | 97.9  | 97.    | 97.   | 97.          | 97.                        | 97.   | 97.9    | -     | 0     | 97.    | 97.9  | 97.9  |
|  |     | 96.5 |      | 100.0 | 100.  | 10     | 7     | -            | 100.                       | 100.0 | 0       | 100.0 | 00    | -      | •     | 100.0 |
| 8  |     | 96.5 | 98.6 | 10000 | 2     |        | 10000 | 100          | 100.0                      | 0     | 0.00    | 100   | ō     | 100    | 100   | 100.0 |
|  |     | 96.5 | 98.6 | 100.0 | -     | -      | 100.  | 100.         | 100.                       | 0     | 0.0     | 10    |       | 100.0  |       | 100.0 |
| N 78                                     |     | 96.9 | 8.6  | 100.0 | 100.0 | 2      | 2     | -            | 100.0                      | 100.0 | 100.0   | 0000  | 100   | 10     | 100.0 | 100.0 |
|  |     | 96.9 | 9.6  | 100.0 | 100.0 | 100.0  | -     | -            |                            | 0     | 0.0     | 100.0 | 100   | 100.0  |       | 100.0 |
| 200                                      |     | 96.5 | 9.6  | 100.0 | 20    | 100.0  | 100   | 100.         | 100.0                      | 0.00  | 0       | 10000 | 00.00 | 100.0  | 100.0 | 100.0 |
|  |     | 96.5 | 9.6  | 100.0 | 10    | 100.0  | 100.0 |              | 100.0                      |       | 0.0     | 100.0 |       | 100.0  | 100.0 | 100.0 |
| 300                                      |     | 96.5 | 9.   | 100.0 | 100   | 100    | -     | 100.0        | 100.0                      | 0000  | 0.0     | 0.00  | 00    | 2      | 100   | 2     |
|  |     | 96.3 | 98.6 | 100.0 | 100.0 | 2      | 100.0 |              | 100.0                      | 100.0 | 100.0   | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| ٧١<br>8                                  |     | 96.5 | 9.6  | 100.0 | 100.0 | 100.0  | 100.0 | 100.0        | 100.0                      | 100.0 | 0       | 0.0   | 100.0 | -      | 100.0 | 100.0 |
|  |     | 96.5 | 8.6  | 100.0 | 2     | 100.0  | 9     | 100.0        | 100.0                      | 100.0 | 100.0   | 100.0 | 100.0 | 100.0  | 100.0 | -     |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

**N** 

40

....

0.00 MOURS (1.5.7.)

HONTH HO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) STATION NAME

| CEILING    |     |      |      |      |          |         | VIS     | IBILITY (ST. | VISIBILITY (STATUTE MILES | ES)     |         |          |       |        |       |       |
|------------|-----|------|------|------|----------|---------|---------|--------------|---------------------------|---------|---------|----------|-------|--------|-------|-------|
| (FEET)     | 5 7 | 9 11 | \$ 1 | 4    | es<br>Al | ≥ 2%    | 1 2     | ¥1 Y         | ¥1 VI                     | <u></u> | ۶<br>۸۱ | a#<br>∧I | Z AI  | ≥ 5/16 | AI    | ٨١    |
| NO CEILING |     | 53.9 | 53.9 | 53.9 | 53.9     | 53.9    | 53.9    | 53.9         | 53.9                      | 53.9    | 53.9    | 53.9     | 53.9  | 53.9   | 53.9  | 53.9  |
| 2000       |     | 4    | 3    | 2    |          | 2       | 4       | 6            | 0                         | 2       | 6       | 2        | 2     | 2      | -     | 2     |
| 00081      |     | 65.3 | 65.3 | 65.3 | 65.3     |         | 65.3    | 69.9         | 65.9                      | 65.3    | 65.3    | 600      | -     |        | 65.3  | 600   |
|            |     | 05.3 | 05.3 | 65.3 |          | 2       | -       |              | -                         | 05.3    | 5       | 0        |       | 2      | •     | 020   |
| ≥ 14000    |     | 0.99 | 0.99 | 0.99 | 66.0     | 0.99    | 0.99    | 0.09         | 0.99                      | 0.99    | 0.99    | 0.99     | 0000  | 0.99   | 0.99  | 66.0  |
|            |     | 66.7 |      | 66.7 | 66.7     | 66.7    | 66.7    | 66.7         |                           | 66.7    | 66.7    | 66.7     |       | 66.7   | 66.7  | 66.7  |
|            |     | 69.5 | 69.5 | 69.5 | 69.5     | 69.5    | 69.5    | 69.5         |                           | •       |         |          |       |        |       | 69.5  |
| 0006 AI    |     | 72.3 | 72.3 | 72.3 |          |         |         | 72.3         |                           | -       | 72.3    | 72.3     |       | 2      | 72.3  | 2.    |
|            |     | 75.2 | 75.2 |      | 75.2     |         | 75.2    | 3            |                           | 5       |         | 75.2     |       | 5      |       | 75.2  |
| 7000       |     | 75.2 | 75.2 | 73.2 |          |         |         | 3            |                           | 3       |         | 5        |       | 3      |       | 75.2  |
| 1          |     | 75.9 | 75.9 |      | 75.9     | 75.9    | 75.9    | 75.9         | 75.9                      | 75.9    | 75.9    |          | 75.9  | 75.9   | 75.9  | 75.9  |
| 2000       |     | 75.9 | 75.9 |      |          | 5       |         |              | -                         |         | •       | 3        |       | Š      | •     | 75.9  |
|            |     | 78.0 | 8    | 78.0 | 78.0     |         | 8       |              |                           | 8       |         |          |       | 8      |       | 78.0  |
| 4000       |     | 80.9 | 80.9 |      |          |         | 80.9    |              | 0                         | 0       | 0       | 0        |       | 0      |       | 80.9  |
| 1          |     | 93.0 | 3    |      |          | 3       |         |              | 3.                        |         | •       |          |       | 3      |       | 83.0  |
| 3000       |     | 85.1 | 3    | 85.1 | 3        | 5       | 85.1    |              | 3                         | 3       | 3       | 3        |       | 5      |       | 85.1  |
|            |     | 85.8 | 85.8 |      |          |         |         |              |                           |         |         |          | •     | 9      |       | 86.5  |
| > 2000     |     | 86.5 |      | -    |          | -       | -       | -            | 87.2                      | -       | 2       | -        | 87.2  | -      |       | 87.2  |
|            |     | 88.7 | 8    |      |          |         | 89.4    | 6            |                           | 6       | 6       |          |       | 6      |       | 89.4  |
| > 1500     |     | 91.5 | 92.2 | 92.9 | 92.9     | 2       | 2       |              | 92.9                      | 92.9    | 2.      | 5.       |       |        | 65.6  | 92.9  |
|            |     | 4.56 |      |      | 98.6     | 6       |         |              |                           |         | 66.3    | 86.3     | 66.3  | 66     | •     | 99.3  |
| N 1000     |     | 96.5 | -    |      |          | 100.001 | 100.001 | 100.0        | 100.0                     | 100.0   |         |          |       | 100    | •     | 100.0 |
|            |     | 96.5 | 1.   |      |          | •       | 100.001 | 0            | 0                         |         | 100.0   | 100.0    | 100.0 | 100    | 10000 | 100.0 |
| 008 1      |     | 96.5 | -    | 98.6 | 66.3     | 100.001 | 100.00  |              | 100.0                     | 0       |         |          |       | 100    |       | 100.0 |
|            |     | 96.5 | 61.6 |      | 66.3     | 100.001 | 100.001 | 100.0        | 100.0                     | 100.0   | 100.0   | 100.0    | 100.0 | 100    | 10000 | 100.0 |
| 8          |     | 96.5 | -    |      | 66.3     |         | 100.00  | 100.00       | 0                         | 0       | 100.00  |          |       | 100    | 10000 | 100.0 |
|            |     | 96.5 | -    | 98.6 | 66.3     | •       |         | 100.0        | 100.0                     | 100.0   | 100.0   |          | 100.0 | 100.0  | 100.0 | 100.0 |
| N 400      |     | 96.5 | -    |      | 99.3     |         | 100.00  | 100.00       | 100.00                    | 10000   | 100.0   | 100.00   | 0     | 0      | 100.0 | 1000  |
|            |     | 96.5 | 6.16 | •    | 66.3     | 100.001 | 10000   | 100.0        | 100.0                     | 100.0   |         | 100.00   | 100.0 | 10000  | 100.0 | 100.0 |
| 1 200      |     | 96.5 | -    |      | 66.3     | 100.001 | 100.0   | 100.0        | 100.0                     | 10000   | 100.0   | 100.00   | 100.0 | 100.0  | 100.0 | 100.0 |
| 8          |     | 96.5 | 97.9 | 98.6 | 66.3     | 10000   | 10000   | 100.0        |                           | 10000   | 0       |          |       | 0      | 10000 | 100.0 |
|            |     | 96.5 |      | 0    | 99.3     | 1000    | 00001   | 100.0        | 100.0                     | 100.0   | 100.0   | 100.0    | 100.0 | 100.0  | 100.0 | 100   |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

0

0

AGANA, GUAM

200

HOURS (LST.)

**CEILING VERSUS VISIBILITY** 

F E B

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| T                          | 0        |            | 3       | 4.      | -       | 30    | .2      | 80     | . 3    | 1.0  | 1.1  | 7:1   | 7:   | 6.0  | 0    | 1.5  | 8.   |     | 2      | .6  |      |      | 00   | 000  | 0.0   | 0.0   | 000  | 0.0  | 0.0     | 0.0  | 0.0  | 0:0  | 000  |
|----------------------------|----------|------------|---------|---------|---------|-------|---------|--------|--------|------|------|-------|------|------|------|------|------|-----|--------|-----|------|------|------|------|-------|-------|------|------|---------|------|------|------|------|
|                            | ΛI       | 96         | 9       | 0       | 68      | 68    | -       | 13     | 7      |      |      |       |      | 9 80 |      | 8 8  |      |     | 2 92   |     | 5 96 | 36 6 | -    | 0100 | 2     | 0100  | 10   | 0100 | 2       | -    | 100  | 0100 |      |
|                            | ≯<br>Al  | 54.6       | 67.6    | 67.4    | 68.     | 68.89 |         | 73.8   | 77.    | 0    | 80.1 | 0     |      | 0    | -    | 85.  | 0    |     | 2.     | 3.  | •    |      | 000  | 00   |       |       | 00   |      | 0000    | 00   | 00   | 8    | 80   |
|                            | 5/16     | 4.6        | •       |         | 8.1     | 8.8   | •       | 3.8    |        |      | 0.1  |       |      | •    |      | 5.1  |      |     |        |     |      | 6.3  |      |      | 0.01  | 10.0  | 0.01 |      |         | 0.01 | 0    |      | 0.01 |
|                            | Al       | 6 5        | 1       | 4       | 0       |       | -       | 8 7    | 3 7    |      |      |       |      | 00   | 8    | 1 85 |      |     |        |     |      | 1    | -    | 0100 | -     | 010   | 20   | 010  | -       | ~    | -    | -    | 010  |
|                            | ٧١       | 54.        |         |         | 68.     | 68.   | 70.     | 73.    | 77.    | 80.  | 80.  | 80.   | 80.  | 80.  | 81.  | 85.  | 90   | 91. | 92.    | 93. | 96   | 66   | 100  | 100  | 001   |       | 0    |      | 0       | 100  | 0    | 8    | 8    |
|                            | a₽<br>Al | 9.4        | 1       | -       | 8       | 8     | 0       | 3.     |        | 0.1  |      |       |      |      |      | 85.1 |      |     |        |     |      |      |      | 0000 |       | 0.0   | 0.0  | 0.0  | 0.0     | 0.0  | 0.0  | ė    |      |
|                            |          | 8          |         | 4       | 1 6     | 8     |         | 8 7    |        | 1 8  |      |       |      |      |      | 1 8  |      |     |        |     |      |      | -    | 010  | -     | -     | 010  | 010  | -       | 1    | -    | 010  | 010  |
|                            | ٧١       | 54         | 19      | 67      | 68      | 68    | 70      | 73,    | 77     |      |      | 80    | 80   |      |      | 85   |      | 16  | 92     |     | 96   | 66   | 100  |      | 100   | 100   | 100  | 100  | 0       | 100  | 100  |      | 001  |
|                            | - 1      | 4.6        | -       | -       |         |       | 0       | A 2000 | -      |      | 0    | 0.1   | .0   |      | -    |      | •    | -   | 2.2    | 3   | •    |      | 0    |      | 0     | 0     | 0    | 0.0  | ò       | 0    | 0.0  | 0.0  | 0.0  |
| WILES)                     | •        | 9          | 1       | 9       | 1 6     |       | .27     | 8 7    | 3 7    |      | 1.   | .1 8  | 1 8  |      | 9    | .1 8 |      |     |        |     |      | .3 9 | -    | 010  | 010   | 010   | -    | .010 | -       | 010  | 010  | 000  | 010  |
| ATUTE                      | VI<br>Z  | 54         | 29      | 67      | 68      | 68    | 70.     | 73     | 77     | 80   | 80   |       | 80   | 80   | 81   | 85   | 06   |     |        | 63  |      | 66   | 100  | 100  | 100   | 100   | 100  | 100  | 10      | -    | 20   | 100  | 100  |
| VISIBILITY (STATUTE MILES) | 2 1%     | 9.49       | -       | -       | 8.1     |       | 0       | 13.8   | 7.3    | 0    | 10.1 | 0     |      |      | -    | 15.1 | 0    | -   | 2      | 3.  |      |      | 0    | 0    | 0.00  | 00.00 | 0    |      |         |      |      | 000  | 0.0  |
| VISIBII                    |          | 0          | 4       | 4.      | 1       | .8    | .2.     | . 8    | 3      | .1   | 1    | . 1 8 | .1 8 |      | 8    |      | 80   |     |        |     |      | 6    | -    | -    | .010  | .010  | -    | .010 | .010    | 010  | 010  | 10.  | 010  |
|                            | ۸I       | 54         | 67      | 67      | 68      | 0     | 70      | -      | 77     | 80   | 80   | 80    | 00   | œ    | 8    | 60   |      | 0   | 6      | 0   | 0    | 66   | 10   | -4   | 10    |       | 100  | 0    | 100     | 100  |      | 100  | 0    |
|                            | 2 2%     | 54.6       | 67.6    | 4.19    | 68.1    | 8     | 70.2    | 73.8   | 7.     | 80.1 | 0    | 80.1  | 0    | 80.9 | -    | 85.1 |      |     | 92.2   |     |      |      |      | 66.3 |       | 66.3  | 99,3 | 66.3 | 66.3    | 66.3 | 99.3 | 66   | 99.3 |
|                            | е .      | 9.         | 9       | 4       | 1       | 80    | .2      |        | .3     | .1   |      | .1    | . 1  | 6.   | •    | 7.   | 30   | 5   | .2     | ø   | 5    | 0    | m    | · .  |       | · .   | 6    | ~    |         | •    | ~    |      |      |
|                            | ΛI       | 6 54       | 0       | 4 67    | 0       | 8 68  | 70      | 8 73   | 77     | 1 80 | 1 80 | 08 1  | 1 80 | 8    | 6 81 | 8    |      | 0   | 26 2   | 0   | 0    | 0    | 66   | 66   | 0     | 0     |      | 0    | 66 €    |      |      | 66   |      |
|                            | ۸I       | 54.        | -       | -       | 8       | 8     |         |        | 77.    | 0    | 80.  |       |      | 0    | -    | 85.  | 0    | -   | 2      |     |      |      |      | 6    | 6     | 6     | 6    |      |         |      | .66  |      |      |
|                            | 9:       | 9.4        | 7.4     | 4.      | 8.1     |       |         | 3.8    |        | 1.0  | 1.0  |       |      |      |      | 5.1  |      |     |        |     |      |      | 6.3  | 6.3  | 6.6   | 6.6   | 6.3  | 6.3  | 6.3     | 6.3  | . w  | 6.3  | 6.9  |
|                            | ۸I       | .0         |         |         |         |       |         |        |        |      |      |       |      |      | - 4  | -    |      |     |        | 2   |      | 36   | 200  | a.   | -/100 | de    | -    |      | - 30.   | 79.  | 66 6 |      |      |
|                            | ۸I       | 54.        | 67.     | 67.     | 68.     | 68.   | 70.     | 73.    | 77.    | 80.  | 80.  | 80.   | 80.  | 80.  | 81.  | 85   | .06  | 90  | 91.    | 92. | 95   | 97.  | 97.  | 97.  | 97.   | 97.   | 97.  | 97.  | 97.     | 97.  | 97.  | 97.  | 97.  |
|                            | 5        |            |         |         |         |       |         |        |        |      |      |       |      |      |      |      |      |     |        |     |      |      |      |      |       |       |      |      |         |      |      |      |      |
| o                          |          | S S        | 8       | 8       | 8       | 8     | 2       | 9      | 2      | 9    | 2    | 9     | 2    | 9    | 2    | 2    | 2    | 9   | 8      | 2   | 2    | 2    | 2    | 2    | 900   | 2     | 900  | 900  | 8       | 300  | 8    | 8    |      |
| CEILING                    | (FEET    | NO CEILING | 1 20000 | ≥ 18000 | 99<br>A |       | ≥ 12000 |        | > 2000 |      | 7000 |       | 2000 |      | 000  | 1    | 3000 | 1   | 7 2000 |     | 1500 |      | 1000 |      | ۸۱    |       | 8    |      | ۷I<br>4 |      | ٨١   | ۸۱   |      |
|                            |          | Ž          |         |         |         |       |         |        |        |      |      |       |      |      |      |      |      |     |        |     |      |      |      |      |       |       |      |      |         |      |      |      |      |

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

AGANA, GUAN STATION NAME

0 0

0

0

FEB

HOURS (LS.T.)

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GUAM

| CEILING    |   |         |        |           |       |       | VIS   | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES)     |         |       |        |        |        |       |
|------------|---|---------|--------|-----------|-------|-------|-------|----------------------------|-----------|---------|---------|-------|--------|--------|--------|-------|
| (FEET)     | 5 | 9 11    | N 5    | <b>VI</b> | E AI  | ≥ 2%  | 7     | ۷۱ ۲۷                      | ¥1 Y      | _<br>AI | ∦<br>Al | *     | Z<br>Z | 2 5/16 | M<br>M | ٨١    |
| NO CEILING |   |         | 50.4   | 50.4      |       | 50.4  | 50.4  | 50.4                       | 50.4      | 50.4    | 50.4    | 50.4  | 50.4   | 50.4   | 50.4   | 50.4  |
| ≥ 20000    |   |         | 70.9   | 6.01      | 70.9  | 70.9  | 70.9  |                            | 0         |         | 70.9    |       | 70.9   | 70.9   |        | 70.9  |
| ≥ 18000    |   |         | :      | 40.0      |       | 70.9  | 70.9  | -                          |           |         |         | 10.9  | 20.0   | 10.9   |        | 40.0  |
| ≥ 16000    |   | 4.07    | •      | 4.07      | 70.9  | 70.9  |       | 70.9                       | 70.9      | 70.9    |         | 4.07  |        | •      |        | 40.0  |
| ≥ 14000    |   | 70.9    | 40.0   | 70.9      | 40.0  | 70.9  | 70.9  | 10.9                       | 70.9      | 70.9    | 70.9    | 10.0  | 70.9   | 10.9   | 70.9   | 40.0  |
| ≥ 12000    |   |         | :      | 74.5      | ;     | 74.5  | 74.5  | 74.5                       | 74.5      | 74.5    | 74.5    | 74.5  |        |        | 74.5   | 74.5  |
| V 10000    |   | 79.4    | 79.4   | 79.4      | 19.4  | 19.4  | 79.4  | 79.4                       | 79.4      | 79.4    |         | 19.4  | 79.4   | 79.4   | 79.4   | 79.4  |
| 000        |   | 80.1    | 80.1   | 80.1      | 80.1  | 80.1  | 80.1  | 80.1                       | 80.1      | 80.1    | .0      | 80.1  | 80.1   | 80.1   | 80.1   | 80.1  |
|            |   | 83.0    | 83.0   | 83.0      | 63.0  | 83.0  | 83.0  | 83.0                       | 83.0      |         | 83.0    | 83.0  | 83.0   | 83.0   | 3      | 83.0  |
| 7000       |   | 83.0    | -      | 83.0      | 83.0  | 63.0  | 83.0  | 83.0                       | 83.0      | 83.0    | 83.0    | 83.0  | 83.0   | 83.0   | 83.0   | 83.0  |
|            |   | 83.0 83 | 83.0   | 83.0      | 83.0  | 83.0  | 83.0  | 83.0                       | 83.0      | 83.0    | 83.0    | 83.0  | 83.0   | 83.0   | 83.0   | 83.0  |
| 2000       |   | 83.0    | 83.0   | 83.0      | 83.0  |       | 83.0  | 83.0                       | 83.0      |         | 83.0    | 83.0  | 83.0   | 83.0   | 83.0   | 83.0  |
|            |   | 83.0    | 83.0   | 83.0      | 83.0  | 83.0  | 83.0  | 83.0                       | 83.0      | 83.0    | 83.0    | 83.0  | 83.0   | 83.0   | 83.0   | 83.0  |
| 000        |   | 87.2    | 87.2   | 87.2      | -     | 87.2  | 87.2  | 87.2                       | 87.2      | 87.2    | -       | 87.2  | 87.2   | 87.2   | 87.2   | 87.2  |
|            |   | 89.4    | 89.4   | 89.4      | 39.4  | 4.68  | 89.4  | 4.68                       | 4.68      | 89.4    | 89.4    | 89.4  | 89.4   | 89.4   | 89.4   | 89.4  |
| 3000       |   | 89.4    | 4.68   | 89.4      | 4.68  | 4.68  | 89.4  | 89.4                       | 4.68      | 4.68    | 89.4    | 4.68  | 4.68   | 4.68   | 89.4   | 89.4  |
|            |   | 90.1    | 1.06   | 90.1      | 90.1  | 90.1  | 90.1  | 1.06                       | 90.1      | 1.06    | 90.1    | 1.06  | 90.1   |        | 90.1   | 90.1  |
| 7 2000     |   | 90.1    | 90.1   | 90.1      | 1.06  | 90.1  | 90.1  | 90.1                       | 90.1      | 90.1    | 90.1    | 90.1  | 90.1   | 90.1   | 106    | 90.1  |
|            |   | 90.1    | :      | 90.1      | 90.1  |       |       | 90.1                       | 0         | •       |         | 1.06  | 90.1   | 90.1   | 90.1   | 90.1  |
| 1500       |   | 92.2    | 92.9   | 92.9      |       | 92.9  | 92.9  | 92.9                       | 92.9      | 6.26    | 92.9    | 92.9  | 92.9   | 6.26   | 92.9   | 92.9  |
|            |   | 97.2    | 98.6   | 98.6      | 98.6  | 98.6  | 98.6  | 0                          | 98.6      | 98.6    |         |       | •      | 98.6   | 98.6   | 98.6  |
| 1000       |   | 98.6    | 10001  | 100.0     | 100.0 |       | 100.0 | 100.0                      |           | 100.0   |         |       | 0      | 100.0  | 100.0  | 100.0 |
|            |   | 98.6    | 100.0  | 100.0     | 100.0 | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0   | •       | 100.0 | 0      | 10000  | 100.0  | 100.0 |
| 08         |   | 98.6    | :      | 100.0     | 100.0 | 100.0 | 10000 | 10                         | 100.0     | 100.0   | 0       |       |        | 100.0  | 100.0  | 100.0 |
|            |   | 98.6    | 100.00 | 100.0     | 100.0 | 100.0 | 100.0 | 10                         | 100.0     | 100.0   | 100.0   | 100.0 | 0.001  | 100.0  | 100.0  | 100.0 |
| 8          |   | 98.6    | :      | 100.0     | 100.0 | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0   | -       | 100.0 | 100.0  | 100.0  | 100.0  | 100.0 |
|            |   | 98.6100 | 100.0  | 100.0     | 100.0 | 100.0 | 100.0 | 20                         | 100.0     | 100.0   | 100.0   | 100.0 |        | 100.0  | 100.0  | 100.0 |
| 04<br>VI   |   | 98.6    | :      | 100.0     | 100.0 | 100.0 | 100.0 | 10                         | 100.0     | 100.0   |         |       | 0      | 100.0  | 100.0  | 100.0 |
|            |   | 98.6100 | :      | 100.0     | 100.0 | 100.0 | 100.0 | -                          | 100.0     | 10000   | 0       | 100.0 | 100.0  | 10000  | 100.0  | 100.0 |
| > 200      |   | 98.6    | 100.0  | 100.0     | 100.0 | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0   |         | 100.0 |        | 100.0  | 100.0  | 100.0 |
| 81         |   | •       | 0.0    | 0.        | 0     | 100.0 | 100.0 | 100.0                      | 100.0     | 0.0     |         | 100   |        | 10000  | 100.0  | 100.0 |
| ٥          |   | 9       | 100.0  | 100.0     | 100.0 | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0   | 100.0   | 100.0 | 100.0  | 100.0  | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

141

0

(3

# CEILING VERSUS VISIBILITY

HOURS (IST.) MONTH B AGANA, GUAM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |    |      |           |      |         |      | VISI  | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES)      |          |        |         |        |         |       |
|------------|----|------|-----------|------|---------|------|-------|----------------------------|-----------|----------|----------|--------|---------|--------|---------|-------|
| (FEET)     | 71 | 9 1  | \$ 41     | ٨١   | M<br>Al | > 2% | 7     | ۲۱ ۲۷<br>۲۲ ۲۷             | VI<br>2/1 | <u>-</u> | ۶۲<br>۱۸ | AI X   | VI<br>% | ≥ 5/16 | %<br>Al | O AI  |
| NO CEILING |    |      | -         | 0.44 | 0.44    |      | 44.0  | 0.44                       | *         | 44.0     | **       | 44.    | 4       | *      |         | 44.0  |
| > 20000    |    | 65.3 | 65.3      | 65.3 | 65.3    | 65.3 | 6563  | 65.3                       | 65.3      | 65.3     | 65.      | 3 65   | 3 65,3  | 65.    | 65.     | 65.3  |
|            |    |      | -         |      | 65.3    | 65.3 | 65.3  | 65.3                       |           | 65.3     | 65.      | 0      | 3 65.3  | 0      | 65.3    | 65.3  |
| N 16000    |    | 65.3 | 65.3      | 65.3 | 65.3    | 65.3 |       | 65.3                       | 65.3      | 65.3     | 65.      | 3 65.  | 3 65.3  | 65.3   | \$ 65.3 | 65.3  |
| > 14000    |    | 66.0 |           |      | 0.99    | 0.99 | 0.99  | 0.99                       | 0.99      | 66.0     | .99      | .99    | 0.99 0  | 0.99   | 0.99 (  | 0.99  |
| > 12000    |    | 66.7 | 66.7      | 1.99 |         |      |       |                            | 66.7      | 66.7     | .99      | 7 66.  | 7 66.7  | 66.    | 7 66.7  | 66.7  |
|            |    | 70.9 | -         | 71.6 | 71.6    | 71.6 | 71.6  | 71.6                       | 71.6      | 71.6     | 71.      | 71.    | 6 71.6  | 71.6   | 71.6    | 71.6  |
| 0006       |    | 71.6 | 72.3      | 72.3 | 72.3    | 72.3 | 72.3  |                            | 72.3      | 72.3     | 72.      | -      | 3 72.3  | -      | 3 72.3  | 72.3  |
|            |    | 73.1 | -         | 73.8 | 73.8    | 73.8 |       |                            |           | 73.8     | 73.      |        | 8 73.8  | 73.8   | 3 73.8  | 73.8  |
| 7000       |    | 73.8 |           | 74.5 | 74.5    | 74.5 |       | 74.5                       |           | 74.5     | 74.      | 5 74.  | 5 74.5  | 74.5   | 5 74.5  | 74.5  |
| 1          |    | 74.5 |           |      |         |      |       |                            | •         |          | 75.      | 75.    | 9 75.9  | -      | 75.9    | 75.9  |
| 2000       |    | 75.2 | 75.9      | 75.9 | 75.9    | 75.9 |       | 76.6                       | .0        | 76.6     | 76.      | 0 76.0 | 6 76.6  | 76.6   | 1       | 76.6  |
|            |    | 75.2 |           | 75.9 | 3.      |      |       | 76.5                       |           |          |          | 76.    | 6 76.6  | 76.    | 76.     | 1     |
| 141        |    | 76.6 |           | 77.3 | 77.3    | 77.3 | 78.0  |                            | 78.       | 78.0     | 78.      |        | -       |        | -       | 78.0  |
|            |    | 76.6 | 11/1/1927 | 77.3 | 77.3    |      |       | 78.0                       | 78.0      | 78.0     | 78.      |        | 8       | 78.0   | 78.     | -     |
| 3000       |    | 79.4 |           | 80.1 | 80.1    | 0    | 80.9  | 80.9                       | 80.9      | 80.9     | 80.      | 80.    | 80.     | 80.    | 80.     | 80.9  |
|            |    | 90.1 | 80.9      |      |         | 80.9 | 81.6  | 81.6                       |           | 1.       | -        | 81.    | 6 81.6  | 81.    | 81.     |       |
| > 2000     |    | 0    |           | 82.3 | 82.3    | 2.   | 83.0  | 83.0                       | 83.0      | 83.0     | 3        | 3      | 83.     | 00     | 00      | 20    |
|            |    | -    |           | 84.4 | 84.4    |      | 85.1  | 85.1                       | 85.1      | 85.1     | 85.      | 85.    |         | 00     | 85.     | 85.1  |
| > 1500     |    | 4    | 90.1      |      | 90.1    |      | 80.6  | 0                          | 8.06      | 8.06     | .06      | 90.    | 90.     | .06    | 0       | 90.8  |
|            |    | ~    |           | 98.6 | 98.6    |      | 99.3  | 99.3                       | 99.3      | 66.3     |          | 3 99.  | 3 99.3  |        |         | 99.3  |
| N 1000     |    | N    | 6.16      | 99.6 | 98.6    | 98.6 |       | 99.3                       | •         |          |          | 0      | 6       | 0      | .66     | 99.3  |
|            |    | ~    | 61.6      |      |         | 98.6 | 99.3  | 99.3                       | 99.3      | 99.3     | .66      | 66     | 6       | 66     | 66      | 66.3  |
| N 800      |    | N    |           | 66.3 | 66.3    | 86.8 | 100.0 | 100.0                      | 100.0     | 100.0    | 100.     | 100    | 0100.0  | 100.0  | 10000   | 100.0 |
|            |    | N    |           | 66.3 |         |      | 0     | 10                         | 0.00      | 100.0    |          | 100    | 0100.0  | 100.   |         | 2     |
| 8          |    | N    | 98.6      | 66.3 | 99.3    | 66.3 | 0     | 100.0                      | 100.0     | 100.0    | 100.     | 0100.0 | 0100.0  | 1000.0 | 100.0   | 100.0 |
|            |    | N    | 98.0      | 66.3 | 66.3    |      | 10000 | 100.0                      | 100.0     | 100.0    |          | 00     |         | 100    | 0100.0  | -     |
| × 400      |    | N    | 1,000     | 66.3 | 99.3    | 66.3 | 100.0 | 100.0                      | 100.0     | 100.0    | 100.     | 00     | 0100.0  | 100.   | 0100.0  | 100.0 |
|            |    | 97.2 | 98.6      | 66.3 |         |      | 10000 |                            | 0         | 100.0    | 2        | 100    | 2       | 100.   | 0       | -     |
| × 200      |    | N    | 0.023     | 66.3 |         |      | 0     | 100.0                      | 100.0     | 100.0    | 100.     | 00     | 0       | -      | 20      | 100.0 |
| VI<br>8    |    | N    | 126       |      |         | 66   | 100.0 | -                          | 00.00     | 100.0    | 100      | 100    | 100     | 100    | 100     | 100.0 |
|            |    | ~    | 98.6      | 66.3 | 99.3    | 66.3 | 100.0 | 100.01                     | 00.00     | 100.0    | 100      | 0100   | 0.0010  | 100.   | 0100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

141

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) AGANA, GUAM

16 HOURS (LST.) -

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TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

0

### CEILING VERSUS VISIBILITY JAN 68

1 9 HOURS (1 S T ) PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) AGANA, GUAM

**CEILING VERSUS VISIBILITY** 

| CEILING    |   |        |          |      |       |        | VIS   | IIBILITY (ST | VISIBILITY (STATUTE MILES) | .ES)  |       |       |       |        |         |       |
|------------|---|--------|----------|------|-------|--------|-------|--------------|----------------------------|-------|-------|-------|-------|--------|---------|-------|
| (FEET)     | 5 | ٨١     | ۶۲<br>۸۱ | ۸I   | AI    | 2 21/2 | A1    | ۲۱<br>۱۶۶    | ¥1 Y                       | ĀI    | ۸I    | * 1   | V)    | ≥ 5/16 | M<br>M  | ٨١    |
| NO CEILING |   | 61.0   | 61.0     | 61.0 | 61.0  | 61.0   | 61.0  | 61.0         | 61.0                       | 61.0  | 61.0  | 61.0  | 61.0  | 61.0   | 61.0    | 61.0  |
| > 18000    |   |        | 74.5     | 74.5 |       |        | 1     | 74.          | 7                          | ;     | 74.   | 74.   |       | ;      | :       | 74.5  |
| ≥ 16000    |   | 74.5   | 74.5     | 74.5 | 74.5  | 74.5   | 74.   | 74.          | 74.                        |       | 74.   | 74.   | 4.    | 74.5   |         | 74.5  |
| > 14000    |   |        | 74.5     | 74.5 | 74.5  | 74.5   | 74.   | 74.          | 74.                        | *     | 74.   | 74.   |       | 74.5   | :       | 74.5  |
| ≥ 12000    |   |        | 74.5     | 74.5 | 74.5  |        | 74.   | 74.          | 74.                        |       | 74.   | 74.   |       | 74.5   | *       | 74.5  |
| ≥ 10000    |   | 75.9   | 75.9     | 75.9 | 75.9  |        | 75.   | 75.          | 75.                        | 5     | 75.   | 75.   | 5     | •      | 5       | 75.9  |
|            |   |        | 78.0     | 78.0 |       |        | 78.   | 78.          | 78.                        |       | 78.   | 78.   | 8     |        |         | 78.0  |
| 0008 AI    |   |        |          |      | 82.3  | 82.3   | 82.   | 82.          | 82.                        | 82.3  | 82.   | 82.   | 82.3  | 82.3   | 2.      | 82.3  |
| - 1        |   | 82.3   | •        | 82.3 |       |        | 82.   | 82.          | 82.                        | 2.    | 82.   | 82.   | 3     |        | 2.      |       |
| 0009 3     |   |        | •        |      |       |        | 82.   | 82.          | 82.                        | 2.    | 82.   | 82.   | 3.    |        | 2.      |       |
| > 2000     |   |        |          |      |       |        | 83.   | 83.          | 83.                        | 3     | 83.   | 83.   |       |        |         |       |
| > 4500     |   | 83.0   | 83.0     | 83.0 | 83.0  |        | 83.   | 83.          | 83.                        | 3.    | 83.   | 83.   | 3     |        | 3.      | 83.0  |
| > 4000     |   | 3.     | •        |      |       |        | 85.   | 85.          | 85.                        | 3     | 85.   | 85.   | 3     |        | 5       |       |
| > 3500     |   |        |          | 7.   |       |        | 87.   | 87.          | 87.                        | 7.    | 87.   | 87.   | 7.    |        | 7.      |       |
| 3000       |   | 8.06   |          |      |       |        | .06   | 90.          | 90.                        | 0     | .06   | 90.   | 0     |        | 0       | 90.8  |
| > 2500     |   | 91.5   | •        | -    |       |        | 91.   | 91.          |                            | :     | 91.   | 91.   | -     | •      | -       | 91.5  |
|            |   |        |          | •    |       |        | 92.   | 92.          | 92.                        | 2.    | 92.   | 92.   | 2.    |        | 2.      | 92.9  |
| N 1800     |   | 93.6   |          |      |       |        | 93.   | 93.          | 93.                        |       | 93.   | 93.   | *     |        |         | 93.6  |
|            |   |        | •        | 3    |       |        | 93.   | 93.          | .66                        | 3.    | 93.   | 93.   | -     |        | 3       | 93.6  |
| > 1200     |   | 97.9   |          | 97.9 |       | 98.6   |       | 98.          | 98.                        | 98.6  | 98.   | 98.   |       |        |         | 98.6  |
| - 1        |   |        |          |      |       |        | à     | 10           | 100.                       | 0     | 100.  | 100.  | 0     | •      | 0       | 100.0 |
| 8<br>AI    |   | 8. 66  | 66·3     | 66.3 |       |        | 0     | -            | 100                        |       | 100   | 10000 | 0     |        |         | 0001  |
|            |   | 99.3   | E.66     | 66.3 |       |        | 100.0 | 100.         | 100                        | 10000 | 100.  | 100.  | 0     | 0      | 0       | 100.0 |
|            |   | 66.3   | 66.3     | 66.3 |       | 100.0  | 0     | 100          | 100.0                      | 0     | 100.  | 100.  | 0     |        | 100.001 | 0001  |
| 2 600      |   | 86.3   | 99.3     | 66.3 | 100.0 |        | 100.0 | 100.0        | 100.0                      | 100.0 | 100.  | 100.  | 0     | 100.0  | 0       | 1000  |
| 005        |   | 8.66   | E. 66    | 66.3 | 100.0 | 100.0  |       | 100.0        | 100                        | •     | 100.  | 10    |       | 0      |         | 00.0  |
| ۱۸ 400     |   | E . 66 | 66.3     | 66.3 |       | 100.0  | 100.0 |              | 100                        | 0     | 100.  | 100.  | 100.0 | 0      | 100.001 | 100.0 |
| 300        |   | 80. B  | 66.3     | 96.3 | 100.0 | 100.0  | 100.0 | 100.0        | 100                        | 100.0 |       | 10000 | 0     | 100.0  | 100.001 | 0001  |
|            |   | 66.3   | 89.3     | 66.3 | 100.0 |        | 100.0 |              | 100.0                      | 100.0 | 0     | 100   | 0     | 100.0  | 0       | 100   |
| 8          |   | 99.3   | 66.3     | 66.3 | 10001 | 100.0  | 100.0 | 100.0        | 100.0                      | 1000  | 100.0 | 10000 | 10000 | 100.0  | 100.001 | 100   |
| 0 1        |   | 66.3   | 66.3     | 66.3 | 100.0 | 100.0  | 100.0 | 100.0        | 100.0                      | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.001 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

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141

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5703 CEILING VERSUS VISIBILITY JAN 68

| 11    |              |
|-------|--------------|
| 73-7  |              |
|       |              |
|       | STATION NAME |
| GUAM  |              |
| AGANA |              |
| 90    | NO           |

CEILING VERSUS VISIBILITY

| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|------------------------------------|----------------------------|
| -                                  |                            |

| CEILING    |      |         |          |         |         |         | VIS     | IBILITY (ST | VISIBILITY (STATUTE MILES) | ES)   |         |          |         |        |         |        |
|------------|------|---------|----------|---------|---------|---------|---------|-------------|----------------------------|-------|---------|----------|---------|--------|---------|--------|
| (FEET)     | 01 \ | , AI    | 8 1      | 4       | e Al    | ≥ 2%    | 1 3     | ¥1 Y        | 71                         | AI    | ¾<br>Al | a#<br>∧I | VI<br>Z | ≥ 5/16 | AI<br>N | ٨١     |
| NO CEILING |      | 65.3    |          |         | 65.3    | 5.      | 65.3    |             | 5                          | 5     | 65.     | 0        | 65.3    | 5      |         |        |
| > 20000    |      | 73.8    | 73.8     | 73.8    |         | 73.8    | -       | 73.8        | 73.8                       | 73.8  | 73.     | 73.      | 73.8    | 73.8   | 73.8    | 73.8   |
| V 18000    |      | 73.8    |          |         | 73.8    | 73.8    | 73.8    | 73.8        | 73.8                       |       | -       | 73.      | 73.8    |        | 73.8    | 73.8   |
| 2 16000    |      | 73.8    |          | 73.8    | 73.8    | 73.8    | 73.8    | 73.B        | 73.8                       | 73.8  | 73.     | -        | 73.8    | 3      |         | 73.8   |
| 7 14000    |      | 73.8    | 73.8     | 73.8    | 73.8    | 73.8    | 73.8    | 73.8        | 73.8                       | 73.8  | -       | -        | 73.8    | 73.8   | 73.8    | 73.8   |
| 2 12000    |      | 73.8    |          |         | 73.8    | 73.8    | 73.8    |             |                            | •     | 73.     | 73.      | 73.     |        |         | 73.8   |
|            |      | 78.0    |          | 78.0    | 78.0    |         | 78.0    | 78.0        | 78.0                       | 78.0  | 78.     | 1        | 78.     |        | 78.0    | 78.0   |
| 0006       |      | 79.4    |          |         |         | 19.4    |         | 79.4        | 6                          | 0     | 79      | 19       | 79.4    | 79.4   | 79.     | 79.4   |
| 1          |      | 83.0    |          |         |         |         |         | 83.0        | 83.0                       |       | 83.     |          | 83.     | •      | 80      | 83.0   |
| 7000       |      | 83.0    |          | 83.0    | 83.0    | 83.0    |         |             | 83.0                       | 83.0  | 83      | 83.      | 00      |        | 83.     | 83.0   |
|            |      | 83.0    | 83.0     | 83.0    |         | 3.      | 83.0    |             | 83.0                       | 83.0  | 83      | 83.0     |         | 83.0   | 00      | 83.0   |
| 0005       |      |         |          | 83.7    |         |         |         |             |                            | *     | 80      | 00       |         |        | 83.7    | 83.7   |
|            |      | 83.7    |          | 3.      | 83.7    | 3       |         |             | 83.7                       | 83.7  |         | 00       | 83.7    |        |         |        |
| 0007       |      | 86.5    |          | 86.5    |         | 86.5    |         |             |                            | 86.5  | 86.     |          | 86.5    | 86.5   | 86.5    | 86.5   |
|            |      | 86.5    |          |         |         | 36.5    | .0      | 86.5        | .0                         |       |         | 86.      |         | 86.5   |         |        |
| 3000       |      | 87.9    |          | -       | 87.9    | -       | 87.9    |             | 87.9                       | 87.9  | 87.     | 8        | 87.     | 1.     | 2       | 87.9   |
| > 2500     |      | 89.4    | 89.4     | 4.68    | 89.4    | 4.68    | 6       | 89.4        | 0                          | 89.4  | 89.4    | 89.4     | 99.4    | 89.4   | 89.4    | 39.4   |
| 7 2000     |      | 90.1    |          | 90.1    | 0       | 0       | 90.1    |             | 90.1                       |       | 0       | 0        |         | 90.1   |         | 90.1   |
|            |      | 90.1    |          | 1.06    |         |         | 90.1    | 90.1        | 0                          |       | .06     | .06      | 90.     | 0      | 1.06    | 90.1   |
| 1500       |      | 94.3    | -        |         | 64.3    |         |         |             | 94.3                       | 94.3  | 0       | 0        |         | 94.3   | 64.3    | 94.3   |
|            |      | 98.6100 | -        | 0.00    |         |         | 100.    | 3           | 100.                       | 100.0 | 100.    | 100.0    | 100     | 100    | 100     | 9      |
| 0001       |      | 98.6    | 0        | 0.      | 0       | 100.0   | 100.    | 00.00       | 100.0                      | 100.0 | -       | 100.0    | 100.0   | 100.0  | 100     | 100.0  |
|            |      | 98.6100 | O        | 0.      | 0.0     | -       |         | 00.00       | 100                        | 100.0 | 100     | 100.0    | 9       | 100.0  | 100     | 0      |
| 08<br>AI   |      | 98.6    | 0        | 0       | 100.001 | 100.00  | 100.001 | 100.0       | 100.0                      | 100.0 | 100.0   | -        |         | 100.0  | 100.0   | 100.0  |
|            |      | 98.6100 | O        | 100.001 | 100.0   | 100.0   |         | -           | 100.0                      | 100.0 | 100.0   | 100.0    | 100     | 100.0  | 100.0   | 100.0  |
| 8          |      | 98.6    | 0        | 0.0     | 100.001 | 100.    |         | 100.0       | 100.0                      | 10    | -       | 2        | 100.0   | 100.0  | 100.0   | 100.0  |
|            |      | 98.61   | 0        | 0.00    | 0.0     | 100.0   | 100.0   | 0           | 100.0                      |       | 100     | 100.0    | 100     | 100.0  | 100.0   | 100.0  |
| N 400      |      | 0       | .6100.01 | 00.00   | 100.0   | 0.0     | 100001  | 0.          | 100.0                      | 100.0 | 10      | 100.0    | 100.0   | 10     | 10      | 100.0  |
| 300        |      | 98.6    | .0       | 000     | 0.0     | 0000    | 0.00    | 100.0       | 100.0                      |       | 100     | 100      | 100     | 100.   | 100     |        |
|            |      | 8.6     | 0        | 000     | 0.0     | 0.0     | 100.0   | 100.0       | 2                          | ò     | 100     | 100      | 100     | 100    | 100     |        |
| 8          |      | 8.6     | 0        | 100.00  | •       | 100     | 00      | 00          | •                          | •     | 100     | 100      | 00      | 100.0  | 100     | 100.0  |
|            |      | 98.6    | 100.001  | 100.001 | 0.0010. | 100.001 | 100.001 | 00          | 0.0010                     | 100.0 | 100.0   | 10000    | 1000    | 100.0  | 8       | 0100.0 |

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

| OCCURRENCE                         |
|------------------------------------|
| PERCENTAGE FREQUENCY OF OCCURRENCE |
|                                    |

| CEILING    |     |         |      |       |      |      | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES)     |         |      |         |        |         |       |
|------------|-----|---------|------|-------|------|------|---------|-------------|----------------------------|---------|---------|------|---------|--------|---------|-------|
| (FEET)     | 5 7 | ٥<br>٨١ | 80   | AI AI | ۸I   | > 2% | 7       | ۲۱<br>۲۲    | VI VI                      | <u></u> | %<br>Al | *    | Z<br>Al | ≥ 5/16 | ۸I<br>۲ | ٨١    |
| NO CEILING |     |         |      |       |      | 1000 |         | 55.2        | 55.2                       | 55.2    | 55.2    |      | 55.2    |        | 55.     | 55.2  |
| 1 20000    |     |         |      | 70.0  | 0    | 0    | d       | 0           | 0                          | 0       | 0       | 0    | 0       |        | 70.     |       |
| N 18000    |     |         |      |       | 0    |      | 0       |             |                            | 0       | 0       | 0    | 0       |        | 70.     | 70.0  |
| ≥ 16000    |     |         |      | 70.1  | 70.1 | 0    | 70.1    | 70.1        | 70.1                       | 0       | 0       | ċ    | 0       | 70.1   | 70.     | 70.1  |
| ≥ 14000    |     |         |      |       | 0    |      | 0       |             |                            |         |         |      | 70.7    |        | 70.     | 70.7  |
|            |     | 71.9    |      | 72.0  | 72.0 | 72.0 | 72.0    | 72.0        | 72.0                       | 72.0    | 2       | 72.0 |         | 72.0   |         | 72.0  |
| N 10000    |     |         |      |       |      |      |         | 75.8        |                            |         | 75.8    |      | 75.8    |        | 75.     | 73.8  |
|            |     |         |      | 77.5  | 2    |      | 77.5    | 77.5        | 77.5                       | 7.      | 7       | -    | -       | 77.5   | 77.     | 77.5  |
| 0008 ~     |     | 80.0    | 80.1 |       | 0    |      | 0       |             | 0                          |         | 80.2    | 80.2 | 80.2    | •      | 80.     |       |
| ≥ 7000     |     | 80.1    |      | 80.3  |      | 0    | 80.3    | 0           | 80.3                       | 80.3    | 0       | 0    | 0       | 0      | 80.     | 80.3  |
| 1          |     | 80.2    |      | 80.5  | 80.5 | 80.5 | .0      | 80.6        | 90.08                      |         |         | 80.6 | 80.6    | 80.6   | 80.     | 80.6  |
| > 5000     |     | 80.6    |      |       | 0    | 0    | 80.9    | 0           | 0                          | 80.9    | 0       | 0    | 0       | .0     | 80.     |       |
|            |     | 81.0    |      | 81.3  | 81.3 |      | -       | 81.4        | 81.4                       | -       | 81.4    | 81.4 |         |        | 81.     |       |
| × 4000     |     | 83.2    |      | 83.4  | 3.   | 83.4 | 83.5    | 83.5        | 3                          | 83.5    | 3       | 3.   |         | 3      | 83.     | 83.5  |
| > 3500     |     | 84.7    |      | 84.9  | 84.9 |      | •       | 85.0        | •                          | 85.0    | 85.0    | 85.0 | 85.0    | 85.0   | 80      | 85.0  |
| 3000       |     | 86.9    |      | 87.2  | 87.2 |      | -       | 87.2        | -                          | 87.2    | -       |      |         | -      | 20      | 87.2  |
| ≥ 2500     |     | 87.6    |      | 8.    |      |      | 88.1    | 88.1        | 88.1                       |         | 8       | 88.1 | 88.1    |        | 88.     |       |
| ≥ 2000     |     | 88.7    |      | 89.2  | 89.2 | 6    |         |             |                            | 6       | 6       |      |         | 89.3   | 89.     | 89.3  |
| 1800       |     |         |      | 90.1  |      | 90.1 |         | 90.2        | 90.5                       | 90.2    | •       | 90.2 | 90.2    |        |         |       |
|            |     |         |      |       | 93.6 |      | 93.7    | 93.7        | 93.7                       | 93.7    |         |      | 93.7    |        | 3       | 93.7  |
| 1200       |     |         |      | 98.2  |      | 98.5 | 98.7    | 98.7        | 98.7                       | 98.7    |         |      |         |        | .86     | 7.86  |
| VI<br>000  |     |         |      |       | 9.66 |      | 90.6    | 8.66        |                            | 8.06    | 8.66    | 6    | 8.66    | 99.8   |         | 99.8  |
| 00<br>AI   |     |         |      |       | 9.66 |      | 8.66    | 9.66        | 8.66                       | 8.66    |         |      | 6       | 96.8   | 99.     | 8.66  |
|            |     |         |      | 99.8  |      | 6    |         | 6           | •                          |         | 6.66    | 0.   | 0       |        | 66      | 6.66  |
|            |     | 61.6    |      | 99.3  | 7.66 | 9.6  | 0000    | 00.00       | 0.00                       | 100.0   |         | 0.0  |         | 0      | 10000   | 100.0 |
| 09<br>AI   |     |         |      |       |      | 9.6  | 100.001 | 100.001     | 0.0                        | 0.0     | 00      |      | 00.00   | 100.0  | 10000   | 0000  |
| 800        |     |         |      |       | 1.66 | 8.6  | 0.00    | 0.0         | 0.0                        | 0.0     | 0000    | 0.0  | 0000    |        | 10      | 0.001 |
| 004        |     |         |      | 66.8  |      | 9.8  |         | 100.00      | 100.0                      | 100.0   | 0       | 0    | 0       | 100.0  | 100.0   | 100.0 |
| 30         |     |         |      | 99.3  |      | 90.8 | 0       | 0           | 10000                      | 0       | 0       | 0000 |         |        | 100.0   | 100.0 |
| ام<br>ا    |     |         |      |       | 49.7 | 6    | 100001  | 100.001     | 0.0                        | 100.0   | 100.0   | •    | 100.0   | 100.0  | 100.0   | 0000  |
| VI<br>8    |     | 97.9    |      | 99.5  | 1.50 | 9.66 | 100001  | 0000        | 0.00                       | 0000    | 0000    | 0.00 | 0.00    | 0      | 2       | 0.001 |
|            |     |         |      |       |      | 9.6  | 0000    | 0.0         | 00.00                      | 0.0     | 100.0   | 0.0  | 100.0   | 100.0  | 10000   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

0

...

CEILING VERSUS VISIBILITY

| -          |   |      | STATION NAM | 3                     |                 |                  | 1     |             |                                 | YEARS      | 185     |        |        | -      | -     | MONTH        |
|------------|---|------|-------------|-----------------------|-----------------|------------------|-------|-------------|---------------------------------|------------|---------|--------|--------|--------|-------|--------------|
|            |   |      |             | PERCENTAGE<br>(FROM I | INTAGE<br>(FROM | FREQUE<br>HOURLY |       |             | NCY OF OCCURRENCE OBSERVATIONS) | RENC<br>S) | ш       |        |        |        | NO CH | HOURS (LST.) |
| CEILING    |   |      |             |                       |                 |                  | VIS   | IBILITY (ST | VISIBILITY (STATUTE MILES)      | ES)        |         |        |        |        |       |              |
| (FEET)     | 2 | ۸I   | S)<br>Al    | <b>AI</b>             | ε<br>Al         | 2 2%             | N N   | YI<br>%     | ۷۱<br>۲۰                        | Ā          | ≱<br>Al | *      | VI Z   | ≥ 5/16 | AI .  | AI           |
| NO CEILING |   | 58.1 | 58.1        | 58.1                  | 58.1            | 58.1             | 58.1  | 58.1        | 58.1                            | 58.1       | 58.1    | 58.1   | 58.1   | 58.1   | 58.   | 1 58         |
| ≥ 20000    |   | 74.2 | 74.2        | 74.2                  |                 |                  | 74.2  | 74.2        |                                 |            | *       | 74.2   | 74.2   |        | 74.   | 2 74         |
| V 18000    |   | 74.2 | 74.2        | 74.2                  | 74.2            | 74.2             | 74.2  | 74.2        | 74.2                            | 74.2       | 74.2    | 74.2   | 74.2   | 74.2   | 74.   | 2 74         |
| V 16000    |   | 74.2 | 74.2        | 74.2                  | 74.2            | 74.2             | 74.2  | 74.2        | 74.2                            | 74.2       | 74.2    | 74.2   | 74.2   | 74.2   | 74.   | 2 74         |
| N 14000    |   | 74.2 | 74.2        | 74.2                  | 74.2            | 74.2             | 74.2  | 74.2        | 74.2                            | 74.2       | 74.2    | 74.2   | 74.2   | 74.2   | 74.   | 2 74         |
| N 12000    |   | 76.1 | 76.1        | 76.1                  | 76.1            | 76.1             | 76.1  | 76.1        | 76.1                            | 76.1       | 76.1    | 76.1   | 76.1   | 76.1   | 76.   | 1 76         |
| N 10000    |   | 78.7 | 78.7        | 78.7                  | 78.7            | 78.7             | 78.7  | 78.7        | 78.7                            | 78.7       | 78.7    | 78.7   | 78.7   | 78.7   | 78.   | 7 78         |
|            |   | 78.7 | 78.7        | 78.7                  | 78.7            | 78.7             | 78.7  | 78.7        | 78.7                            | 78.7       | 78.7    | 78.7   | 78.7   | 78.    | 78.   | 7 78         |
|            |   | 81.3 | 81.3        | 81.3                  | 81.3            | 81.3             | 81.3  | 81.3        | 81.3                            | 81.3       | 81.3    | 81.3   | 81.3   | 81.3   | 81.   | 3 81         |
| N 1000     |   | 81.3 |             | 81.3                  | 81.3            | -                | 81.3  | 81.3        | 81.3                            | 81.3       | 81.3    | 81.3   | 81.3   | 81.3   | 81.   | 3 81         |
|            |   | 81.3 | 81.         | 81.3                  | 81.3            | 81.3             | 81.3  | 81.3        | 81.3                            | 81.3       |         | 81.3   | 81.3   | 81.3   | 81.   | 3 81         |
| 2000       |   | 83.9 |             | 83.9                  | 83.9            |                  | 83.9  | 83.9        | 83.9                            | 83.9       | 83.9    | 83.9   | 83.9   |        | 83.   | 9 83         |
|            |   | 85.2 | 8           | 85.2                  | 85.2            | 85.2             | 85.2  |             | 85.2                            |            | 85.2    | 85.2   | 85.2   | 85.2   | 85.   | 2 85         |
| A 4000     |   | 87.1 | 00          | 87.1                  | 87.1            | 87.1             | 87.1  | 87.1        |                                 | 87.1       | 87.1    | 87.1   | 87.1   | 87.1   | 87.   | 1 87         |
| > 3500     |   | 88.4 | 88          | 88.4                  | 8               | 88.4             | 88.4  | 88.4        | 88.4                            | 88.4       | 88.4    | 88.4   | 4.88   | 88.4   | 88    | 4 88         |
| > 3000     |   | 800  | 90          |                       | 90.3            | 90.3             | 90.3  | 90.3        | 90.3                            | 90.3       | 0       | 90.3   | 90.3   | 90.    | 90.   | 3 90         |
|            |   | 91.0 | 16          | 91.0                  | -               | 91.0             | -     |             | -                               |            |         | 91.0   | 91.0   | 91.6   | •     | 16 0         |
| × 2000     |   | 91.6 | 16          | 91.6                  | 91.6            | -                | 91.6  | 91.6        | 91.6                            | 91.6       | 91.6    | 91.6   | 91.6   | 91.6   | 91.   | 16 9         |
| 1800       |   | 65.6 | 92.9        | 92.                   | 92.9            | 92.9             | 65.6  | 92.9        | 92.9                            |            |         | 92.9   | 92.9   | 92.5   | 92.   | 6 92         |
|            |   | 95.5 | 95          | 95.                   |                 | 95.5             | 5     |             | 95.5                            | 98.5       | 3       | 95.5   | 95.5   | 95.5   | è     | 5 95         |
| 1200       |   | 96.8 | 96          | 9                     | 96.8            | 96.8             |       | 96.8        | 96.8                            | 96.8       | 96.8    | 96.8   | 96.8   | 96.8   | 1 96. | 8 96         |
|            |   | 98.1 | 0           |                       |                 | 4.66             | 4.66  | 4.66        | 4.66                            |            | 4.66    | 4.66   | 4.66   | 90.6   | 66    |              |
| 8 1        |   | 98.1 | 0           | 2.7                   | 6               | •                | 66    |             | 66                              |            | 66      | 4.66   |        | 66     | 66    | 4 99         |
|            |   | 98.7 | 98.         | 4.                    | 100.0           | 100.0            |       |             | 0100.0                          | 100.0      | 100     | 100.0  | 100.0  | 100.   | 001   | 0100         |
|            |   | 98.7 | 0           | 4                     | 100.0           | •                | 100.0 | 100.0       | 100.0                           | 100.0      |         |        | 0.0010 | 100.0  |       | 0100         |
| 009 1      |   | 98.7 |             | 4.06                  | 100.0           | 10000            | 100.0 | 100.0       | 100.0                           | 100.0      |         | 0100.0 | 0.0010 | 100    | 0100  | 0100         |
| 800        |   | 98.1 | 98.7        | 4.6                   | 100.0           | 100.0            | 100.0 | 100.0       | 100.0                           | 100.0      | 100     | 100    | 0      | 100.0  | 1000  | 0100         |
| 1 400      |   | 98.7 |             | 4.6                   | 100.0           | 0                | 100.0 | 100.0       | 100.0                           | 100.0      | 100     | 100    | 0.0010 | 100.0  | 100   | 0100         |
| 300        |   | 98.7 | 7.86        | 4.6                   | 100.0           | 100.0            | 100.0 | 100.0       | 100.0                           | 100.0      |         | 0.     | 100.0  | 100.0  | 100   | 0100         |
| × 200      |   | 98.7 |             | 4.66                  | 100.0           | 100.0            | 100.0 | 100.0       | 100.0                           | 100.0      | 100.0   | 100.0  | 100.0  | 100.0  | 100   | 0100         |
| 92         |   | 98.7 | 98.7        | 4.66                  | .0              | 0                | 0     | 100.0       | 100.0                           | 100.0      |         |        | 0.0    | 100.0  | -     | 0100         |
| ٥          |   |      | 98.7        | 4.                    | 100.0           | 100.0            | 0     | 100.0       |                                 | 100.0      | 100.0   | 100.0  | 100.0  | 100.0  | 100   | 0100         |

TOTAL NUMBER OF OBSERVATIONS

155

6.3 200

1

155

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

ACAMA, GUAM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOURS (1 S T )

MONTH

| CEILING    |   |          |       |      |        |        | VIS    | HBILITY (S) | VISIBILITY (STATUTE MILES) | (ES)  |         |         |        |        |       |      |          |
|------------|---|----------|-------|------|--------|--------|--------|-------------|----------------------------|-------|---------|---------|--------|--------|-------|------|----------|
| (FEET)     | 5 | 9        | S)    | 1    | N AI   | 2 2%   | 7 1    | ¥1 ¥1       | VI<br>2.                   | Ā     | ¾<br>Al | ∦<br>Al | N<br>N | ≥ 5/16 | VI N  | ٨١   |          |
| NO CEILING |   | 56.1     | 56.1  |      | \$6.   | 1 56.1 | 1 56.1 |             |                            | 56.1  |         | 56.1    | 56.1   | 56.    | 1 56. | 1 56 | 7        |
| > 20000    |   | 72.3     | 72.3  | 2.   | 2.     |        |        | 72.3        | ~                          | 72.3  | 72.3    | 72.3    | 72.3   |        | 3 72. | 3 72 | **       |
| N 18000    |   | 72.3     | 72.3  | 72.  | 72.    | 3 72.3 | 3 72.3 |             | 172.3                      | 72.3  | 72.3    |         | 72.3   | 72.    | 3 72. | 3 72 | ·        |
| ≥ 16000    |   | 72.3     | 72.3  | 72.  | 3 72.  | 3 72.  | 3 72.3 | 72.3        | -                          | 72.3  | 72.3    | 72.3    | 72.3   | 72.    | 3 72. | 3 72 |          |
| > 14000    |   | 72.3     | 72.3  | 72.  |        | 3 72.  | 3 72.3 |             | 7                          | 72.3  | 72.3    | 72.3    | 72.3   | 72.    | 3 72. | 3 72 | •        |
| ≥ 12000    |   | 74.2     | 74.2  | 74.  | 2 74.  | 2 74.2 | 2 74.2 | 74.2        | 74.2                       | 74.2  | 74.6    |         | 74.2   | 74.    | 2 74. | 2 74 | 2        |
| V 10000    |   | 79.4     | 79.4  | 79.  | 4 79.4 | 4 79.4 | 19.4   | 79.4        | 79.4                       | 79.4  | 79.4    | 79.4    | 79.4   | -64    | 4 79. | 4 79 | *        |
| > 2000     |   | 80.0     | 80.0  | 80.  | 0 80.0 | 80.    | 0 80.0 | 80.0        | 80.0                       | 80.0  | 80.     | 80.     | . •    | 80.    | 0 80. |      | 0        |
| > 8000     |   | 81.3 81. | 81.3  | 81.  | 3 81.  | 3 81.3 | 8 81.3 | 81.3        | 81.3                       | 81.3  |         | 81.3    | 81.3   | 81.    | 3 81. | 3 81 | <u>w</u> |
| > 7000     |   | 81.3     | 81.3  | 81.  | 3 81.  | -      | 81.    |             | 81.3                       | -     | 81.     |         | -      | 81.    | 3 81. | 3 31 | 100      |
|            |   | 81.9     | 81.9  | 81.  | 9 81.9 | 9 81.9 |        |             | 81.                        | 81.   | 81.     |         | 1.     | 81.    | 9 81. | 18 6 | 0.       |
| > 2000     |   | 84.5     | 84.5  | 84.  | 5 84.  | *      |        |             | 84.                        | 84.   | 84.     |         | 84.5   | 84.    |       | 5 84 | .5       |
|            |   | 85.2     | 85.2  | 85.  | 2 85.  | 2 65.2 | 2 85.2 | 00          |                            | 85.2  | 85.     | 00      | 85.2   | 85.    | 2 85. | 2 85 | 2.       |
| 1 4000     |   | 85.8     | 85.8  | 85.  | 8 85.  | 85.    | 85.    |             | 85.8                       | 85.   | 85.     | 85.     |        |        |       | 8 85 | 8        |
|            |   | 87.1     | 87.1  | 87.  | 1 87.  | 1 87.1 | 1 87.1 | 87.1        | 87.1                       | 87.1  |         | 87.1    | 87.1   |        | 1 87. | 1 87 | 1.       |
| 3000       |   | 89.7     | 89.7  | . 68 | 7 89.7 | 7 89.7 | 7 89.7 | 89.7        | 89.7                       | 89.7  | 89.7    |         | 89.7   | 89.    | 7 89. | 4 89 | 1.       |
| 1          |   | 6.06     | 90.3  | .06  | 3 90 € | 3 90.3 | .06    |             | 1 90.3                     | 90.3  | 6.06    | .06     |        | .06    | € 80. | 3 90 |          |
| > 2000     |   | 91.6     | 91.6  | -    | 91.6   |        |        | 0           |                            | 91.   | 91.     | 0       | 0      | 91.    | -     | 16 9 | 0        |
|            |   | 91.6     | 91.6  | 91.  | •      | -      | -      | 91.         | 91.                        |       | 91.     |         | 91.6   | 91.    | 6 91. | 16 9 | 9.       |
| > 1500     |   | 94.2     | 2.46  | 94.  | 2 94.  | 2 94.  | 2 94.2 |             | 0                          |       | 94.2    | 34.5    | 94.2   | . 46   | 2 94. | 76 2 | 2.       |
| N 1200     |   | 96.1     | 1.96  |      | 1 96.1 | 1 96.1 |        | 100         |                            |       | 96.1    | 96.1    | 96.1   | 96.    |       | 96 1 | -        |
|            |   | 98.7     | 98.7  | . 86 | 7 98.  | 7 98.7 | 7 98.7 | 98.7        | 98.7                       | 98.7  |         |         | 98.7   | 98.    | 1 98. |      |          |
| 0%<br>AI   |   | 98.7     | 98.7  |      | 1 98.  | 1 98.7 | 7 98.7 |             | 1 98.7                     | 98.7  | 98.7    |         | 98.7   | 98.    | 7 98. |      |          |
|            |   | 4.66     | 4.66  | .66  | 7.66 4 |        | 4.66   | 4.66        | 4.66                       | 90.4  | 99.4    |         | 4.66   | 66     | 4 99. | 66 4 | 4        |
| 78         |   | 4.66     | 4.66  | 66   | 4 99.4 | 7.66 4 | 4.66 4 | 99.4        | 4.66                       | 4.66  | 99.4    | 99.     | 99.4   | 99.    | 4 99. | 66 4 | 4        |
| 009        |   | 100.0    | 100.0 | 100. | 0100.0 | 0100.0 | 0100.0 | 100.0       | 100.0                      | 100.0 | 100.    | 10      | 100.0  | 100.   | 0100  | 0100 | 0        |
| 005 1      |   | 100.0    |       | 100. | 00     | 0      | -      | 100.0       | 2                          | 100.0 | 0       | 100     | 0      | -      | 0100  |      | 0        |
|            |   | 100.0    | 100.0 |      | 0100.0 | •      | 0100.0 | 2           | 1000.0                     | 100.0 | 100     | 100     |        | 20     | 0100  | 0100 | 0        |
| 300        |   | 100.0    | -     | •    | 00     | 0      | 0.0010 | 100.        | -                          | 100.  | 100     | 100     | 100    | -      | 0     | 0100 | 0        |
|            |   | 100.0    | 100.0 | 100. | 0100.0 | 0100.0 | 0100.0 | 20          | 100.0                      | 100.0 | 100.0   | 100     | 100.0  | -      | 0100  | 0100 | 0        |
| 8          |   | 100.0    | 100.0 |      | 100    | 100    | -      |             | -                          | 100.0 |         | 100     | -      | 100.   | 0100  |      | 0        |
|            |   | 100.0    |       | 100. | 0100.0 | 0100.0 | 0100.0 | 100.0       | 100.0                      | 100.0 | 100.0   | 100.0   | 100.0  | 100.   | 0100  | 0100 | 0        |

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C F/G 4/2 SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) AGANA, G-ETC(U) JUN 78 AD-A060 606 UNCLASSIFIED NL 3 OF 4 AD A060606

(6)

0

# CEILING VERSUS VISIBILITY

AGANA, GUA 41406 STATION

HOURS (LST.)

2222

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

55.5 55.9 55.8 65.8 65.8 65.8 100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 80. 80.7 80. 0 1 82.6 910 91.6 92.9 600 4.66 67.1 74.2 74.2 75.5 7.86 4.66 1008 8006 91.6 80.7 80.7 4.66 4.66 80.7 80.7 80.7 80.7 4.16 4.66 91.6 91.6 91.6 65.8 65.8 7.86 80.7 80.7 90.3 2 5/16 80.7 4.76 4.66 75.5 91.6 91.6 4.66 80.7 80.7 80.7 90.3 91.6 91.6 91.6 80.7 80.7 80.7 80.7 92.9 7.86 98.7 98.7 98.7 98.7 4.66 4.66 4.66 4.66 بر ۱۸ 4.16 75.5 1008 6.26 91.6 7.86 4.66 4.66 91.6 90.3 \* 91.6 91.6 75.5 80.7 8006 92.9 92.9 92.9 92.9 98.7 98.7 4.66 4.66 4.66 4.66 A! 91.6 91.0 91.6 75.5 8003 80.7 80.7 80.7 80.7 80.7 80.7 4.66 ۸۱ VISIBILITY (STATUTE MILES) 90.3 4.66 91.6 80.7 80.7 80.7 9. 98.7 98.7 ۲ ۲ 16 90.3 91.6 90.3 4.66 91.6 75.5 75.5 80.7 80.7 80.7 80.7 91.6 90.3 91.6 9.16 4.76 4.66 92.9 92.9 75.5 80.7 80.7 91.6 91.6 91.6 90.3 98.1 98.7 80.7 80.7 80.7 80.7 91.6 91.6 74.2 90.3 80.7 80.7 80.7 98.1 98.1 98.7 98.7 ۸I 91.6 91.6 91.6 96.8 1.86 90.3 1.86 91.6 92.9 95.5 96.8 98.1 87.1 87.1 98.1 80.7 80.7 91.6 600 65.6 90.3 91.6 1.96 8.96 95.5 96.8 95.5 96.8 17 87.1 8.06 95.5 6.06 91.6 1.96 95.1 1.96 80.7 89.7 80.7 80.7 96.1 96.1 ٨I 2 ٨١ NO CEILING > 20000 CEILING (FEET) VI VI 00081 00081 80 Y 1 4 0000 0000 3000 7000 900 4 5 6 6 6 6 7 3000 2000 88 1500 1200 88 88 88 ALAI AI AI ALAI ALAI 11 11 ALAI AI AI ALAI ALAI AIAI ALAI AI AI ALAI

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

| (FROM HOURLY OBSERVATIONS) | PERCENTAGE | PERCENTAGE FREQUENCY OF OCCURRENCE | итион       |
|----------------------------|------------|------------------------------------|-------------|
|                            | (FROM H    | OURLY OBSERVATIONS)                | HOURS (EST) |

| (FEET)  NO CEILING  NO CEILING  IV 20000  IV 20000  IV 10 10000   IV 10 10000  IV 1 | ٨١                      |             | -    |       |       |         |        |      |       |         |          |        |        |        |      |
|--|-------------------------|-------------|------|-------|-------|---------|--------|------|-------|---------|----------|--------|--------|--------|------|
| NO CEILING 19 20000 19 12 10000 19 12 10000 19 19 10000 19 19 10000 19 19 10000 19 19 10000 19 19 10000 19 19 10000 19 19 10000 19 19 10000 19 19 10000 19 19 10000 19 19 10000 19 19 100000 19 10000 19  |                         | ۲۱<br>د     | 4    | E AI  | 1 2%  | ~<br>Al | ¥1 Y   | ¥1 ¥ | - AI  | ≱<br>Al | a#<br>Al | Z<br>Z | ≥ 5/16 | AI N   | ٨١   |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 44.5                    | *           | 44.5 |       | 60.00 | 44.5    | 5.44   | 44.5 | 64.5  | 62.6    | 44.      |        | 44     | 44.5   | *    |
| 1 VIVI VIVI VIVI VIVI VIVI VIVI VIVI VI  | 63.2                    |             |      | m'    | m.    | · m     |        |      |       | m e     | 63.      |        | 63     | m .    | 63   |
|  |                         | 65.2        | 65.2 | 65.2  | יומר  | 65.2    | 65.2   |      | 67.7  |         |          | 65.2   |        | 67.7   | 62.  |
|  |                         | * 4         |      |       |       | 33      |        |      |       |         | 74.      |        | 74.    | 3 4    | ::   |
|  |                         | - 8         | 77.4 |       | 77.4  |         |        |      | 77.4  | - 00    | 77.      | 72     | 77     | ~ w    | 77.  |
|  | 78.7                    | 78.7        | 78.7 | . 0   |       |         | 78.7   | . 0  |       |         | 78.      | 80.    | 80.    | 80     | 80.  |
|  | 83.3                    |             | 81.3 |       |       |         |        |      |       |         | 81.      | 83.    | 83.    |        |      |
| 3800   | 80 80<br>80 40<br>90 80 | m +         |      | m .   | m 4   | m :     | m +    | m +  | m 4   | m 4     | 8 8      | 8 83   | 83.    |        | 8 3  |
| 2 2000   | 86.3                    | 40          | 84.5 | 40    | 84.98 | 40      | 84.5   | + 0  |       | 40      | 84.      | 84.    | 84.    | 40     | 84.  |
| 0081 Y   | 90.3                    |             |      |       | 10    | 10      | 87.7   | 90.3 | -0    |         | 00       | 00     | 00     | -0     | 90.  |
|  | 2000                    | ייי ר       | 93.5 |       |       | 500     |        | 2.5  |       | ייי     | 97.      | 95.    | 95.    |        |      |
|  | 98.1                    |             |      |       | 4.06  | 4.66    | 3.66   | 4.66 | 4.66  | 99.4    | 99.4     | 4.66   | 99.4   | 4.66   | 66   |
| 8 88   | 98.1                    | 98<br>7. 86 | 7.86 | 4.66  | 0000  | 0000    | 0000   | 0000 | 00000 | 100.0   | 10000    | 10000  | 1000   | 100.0  | 1000 |
| 300<br>300<br>301  | 98.1                    | 98.         | 98.7 | 99.41 | 0000  |         | 100.00 | 00   |       | 100.0   | 100.0    | 00     | 100    |        | 000  |
| 8°°  | 98.1                    | 98.7        | 7.86 | 99.41 | 00.00 | 00.00   | 0.00   | 0000 | 0.00  | 100.0   | 100.0    | 1000   | 10000  | 100.00 | 000  |

TOTAL NUMBER OF OBSERVATIONS

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| Ξ | VERJO<br>CAL |
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YEARS PERCENT, (FRC

AGANA, GUAM

| TAGE FREQUENCY OF OCCURRENCE | TIONS)               |
|------------------------------|----------------------|
| NCY OF C                     | A HOURLY OBSERVATION |
| FREQUE                       | HOURLY               |
| TAGE                         | ROM                  |

1 2

| S 46.5 46.5 46.5 46.5 46. | 6.5 46.5 46.5 46.5 46. | 24 23 22% 22<br>6.5 46.5 46.5 46. | 3 22% 22 | 5.5 ≥ 2<br>6.5 46. | ~ .   |       | . 0   | 7 .    | - i   | * .   | # 0   | 2 .   | 5 0   | * .   |       |
|---------------------------|------------------------|-----------------------------------|----------|--------------------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
|                           | 63.2                   |                                   | 63.2     | 63.2               | 7,000 | 63.2  | 63.2  | 63.2   |       | 63.2  | 63.5  | 63.2  | 63.2  | 63.2  | 63.2  |
|                           |                        |                                   | 64.3     |                    |       | 0     | 64.5  | *      | 64.5  |       | *     |       | *     |       | 64.9  |
|                           |                        | 3.                                | 65.2     |                    |       | 5     | 65.2  | 5      | 3     | 5     | 65.2  | •.    | 3     | 5     | 65.2  |
|                           |                        |                                   | 67.7     |                    |       |       | -     |        | -     | •     |       | •     | •     | •     | 67.7  |
|                           |                        | 74.2                              | 74.2     | 74.2               | 74.2  | 74.2  |       | 74.5   | 74.2  | 74.2  | :     | 74.2  | 74.2  | 74.2  | 74.2  |
|                           |                        | 74.2                              | 74.2     | •                  | •     | •     |       | 74.2   |       | •     | :     | •     | *     | •     | 74.2  |
|                           | 75.5                   | 74.2                              | 74.2     | 74.2               | 74.2  | 74.2  | 74.2  | 74.2   | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  | 74.2  |
|                           |                        | 74.8                              | *        |                    |       |       | 3     |        | 74.8  |       |       |       | 3     |       | 74.8  |
|                           |                        | 74.8                              | 74.8     | 74.8               | 74.8  | 74.8  |       | 74.8   | *     | 74.8  |       |       | *     | *     | ;     |
|                           |                        | 74.8                              |          |                    | 74.8  |       |       | 74.8   |       | 74.8  |       |       |       | 74.8  | 74.8  |
|                           |                        | 75.5                              |          | •                  |       | 75.5  | 3     |        | 3.    |       | 3     | •     | 2     |       | 75.5  |
|                           |                        | 75.5                              |          |                    |       | 75.5  | 75.5  | 3      | 5     | •     | 2     | 75.5  | 5     |       | 75.5  |
|                           |                        | 78.1                              |          |                    |       | 78.1  |       | •      |       |       |       |       | 8     | 78.1  | 78.1  |
|                           | 78.7                   | 78.7                              | 78.7     | 78.7               | 78.7  | 78.7  | 78.7  | 78.7   | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  | 78.7  |
|                           |                        | 10.4                              |          | 19.4               |       | 19.4  |       |        |       |       |       |       |       | 6     | 79.4  |
|                           | 80.7                   | 80.7                              | 80.7     | 80.7               | 80.7  |       | 80.7  | 0      |       |       |       |       | 0     |       | 80.7  |
|                           |                        | 89.0                              |          |                    |       |       |       |        | 6     |       |       | 6     | 6     |       | 89.0  |
|                           |                        | 95.5                              | 95.5     | 95.5               | 95.5  | 95.5  | 95.5  | 95.5   | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  | 95.5  |
|                           | 97.4                   | 1.86                              |          |                    | *     |       |       |        | 8     | 8     |       | 8     |       |       | 98.1  |
|                           | 97.4                   | 1.86                              | 98.1     | 98.1               | 98.1  | 98.1  | 98.1  | 98.1   | 98.1  | 98.1  | 98.1  | 98.1  |       | 0     | 98.1  |
|                           | 97.4                   | 1.86                              |          |                    |       |       |       |        |       |       | 98.7  |       | 8     | 98.   | 48.7  |
|                           | 97.4                   | 1.86                              |          |                    |       | 98.7  |       | 48.7   | 1225  | 98.7  | 98.7  | 98.7  | 8     | 0     | 98.7  |
|                           | 98.1                   | 48.7                              |          | 7.86               |       |       | 4.66  | 4.66   | -     |       | 4.66  | 4.66  |       |       | 4.66  |
|                           |                        | 48.7                              | 98.7     | 7.86               | 98.7  | 4.66  |       | 4.66   | 4.66  | 4.66  | 4.66  |       |       | 4.66  | 4.66  |
|                           |                        | 98.7                              |          | 7.86               |       | 4.66  | 4.66  | 4.66   | 4.66  | 4.66  | 4.66  | 4.66  |       | 4.66  | 4.66  |
|                           | 98.7                   | 4.66                              |          | 4.66               |       | 00.00 | 00.00 | 00.00  | 100   | 00    | 100.0 | 100.0 | 0     | 1001  | 100.0 |
|                           |                        | 4.66                              | 4.66     | 4.66               | 99.41 | 00.00 |       | 00.00  | 0.0   | 100.0 | 0     | 100.0 | 100.0 | 2     | 100.0 |
|                           | 98.7                   | 4.66                              | 4.66     |                    |       | 00.00 | 00.00 | 100.00 | 0.001 | 0.001 |       | 0     | 100.0 | 100.0 | 10000 |
|                           | 98.7                   | 4.66                              | 4.66     | 4.66               | 99.41 | 00.00 | 00.00 | 00.00  | 0000  | 0000  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

5703 CEILING VERSUS VISIBILITY JAN 68

TOTAL NUMBER OF OBSERVATIONS

PET

NAVWEASERVCOM

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1

# CEILING VERSUS VISIBILITY

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) AGANA, GUAN STATION NAME

| CEILING    |       |      |      |      |      |        | VISIA   | VISIBILITY (STATUTE MILES) | ATUTE M | ILES)  |        |        |        |        |       |      |
|------------|-------|------|------|------|------|--------|---------|----------------------------|---------|--------|--------|--------|--------|--------|-------|------|
| (FEET)     | 01 10 | ٥    | S AI | **   | E AI | 2 2%   | AI      | ¥1 Y1                      | VI<br>Z | Ā      | AI     | # AI   | Z.     | ≥ 5/16 | AI .  | ٨١   |
| NO CEILING |       | 41.9 | 41.9 | 41.9 | 41.9 | 41.9   | 41.9    | 41.9                       | -       | 9 41.  |        | +1.    | 41.    | 41.9   | 41.   | 14 6 |
| 20000      |       | 61.3 | 4    | 4    |      | -      | 6103    | 4                          | 4       | 61.    | 61.    | 61.    | 61.    | 61.    | 61.   |      |
| × 18000    |       | 63.2 |      | 3.   | 3.   |        |         | 63.2                       |         | 63.    | 63.    | 63.    | 63     | 63.    | 63.   |      |
|            |       | 63.2 |      | 63.2 |      | 3      | 63.2    | 63.2                       | 3       | 3.     | 63.    | 63.    | 63.    | 63.    | 63.   | 63   |
| 2 14000    |       | 63.2 |      | 63.2 |      | •      |         | 63.2                       | 6       | 63.    | 63.    | 63.    | 63.    | 63.    | 63.   | 63   |
| × 12000    |       | 66.9 |      |      | 66.5 |        | 66.5    |                            | 66.     | 99. 5  | 66.    | 99     | 99     | 66.    |       | 5 66 |
| _          |       | 74.2 |      |      |      |        |         | 74.2                       |         | 74.    | 74.    | 74.    | 74.    |        | *     |      |
| 000        |       | 74.2 | 74.2 | 74.2 | 74.2 | 74.2   | 74.2    | 74.2                       | 74.     | 74.    | 2 74.2 | 74.    | 74.2   | 74.2   | 74.   | 74   |
|            |       | 75.5 | 75.5 | 75.5 | 75.5 | 75.5   |         | 75.5                       |         | 75.    | 75.    | 5 75.5 | 75.    | 75.    | 75.   | 75   |
| 2 7000     |       | 75.5 | 75.5 | 75.5 | 75.5 | 75.5   |         | 75.5                       |         | 5 75.  |        | 75.    | -      | 75.5   | 75.   | 75   |
|            |       | 75.5 | 75.5 | 75.5 | 75.5 | 75.5   |         | 75.5                       |         |        | 75.    | 75.    | 75.    | -      | 75.   | 5 75 |
| 2000       |       | 76.8 | 76.8 | 76.8 |      | •      |         |                            |         | 76.    |        | 76.    | -      | 76.    | 76.   | 1 76 |
|            |       | 78.1 | 78.1 |      | 78.1 | 78.1   | 78.1    |                            |         | 78.    | 78.    | 78.    | 78.    | 78.    | 78.   | -    |
| V 4000     |       | 80.7 | 80.7 | 80.7 | 80.7 |        |         |                            |         |        |        | 80.    | 7 80.7 | 00     | 80.   | 80   |
|            |       | 82.6 | •    | 2.   | 2.   |        |         |                            | •       | 82.    | 82.    |        | 82.    | 82.    | 82.   |      |
| 3000       |       | 83.2 |      | 3    |      |        |         |                            | 6       | 83.    | 83.    | 83.    | 83.    | 83.    | 83.   |      |
|            |       | 83.2 | 83.2 | 83.2 |      | 83.2   | •       | 83.2                       | 3       | 2 83.  |        |        | 80     | 83.2   | 83.   | 83   |
| 2 2000     |       | 83.2 |      |      | •    | 3.     | 3.      |                            | 6       | 83.    | 83.    | 83.    | 83.    | 83.    | 83.   |      |
|            |       | 85.2 | •    | 3.   |      |        | 5       | 85.2                       |         | 85.    | 85.    | 85.    | 85.    | 85.    | 85.   | 85   |
| > 1500     |       | 91.6 |      | •    | :    | -      | •       | 91.6                       | -       | 91.    | 91.    | 91.    | 91.    | 91.    | 0     | 16   |
|            |       | 97.4 | 4.76 | 7.   |      | 7.     | 97.4    | 7.                         |         | 97.    | 97.    | 0      |        |        | 97.4  | 97   |
| 0001       |       | 98.1 | 1.86 | 98.1 | 98.1 |        | 98.1    | 98.1                       |         | 8      |        |        | 98.1   |        | 98.   | 98   |
| 8 4        |       | 98.1 | 98.1 | 98.1 |      |        | 98.1    |                            |         | 98.    | 0      | 1 98 1 |        |        | 98.   | 86   |
| 800        |       | 98.7 | 98.7 | 98.7 |      |        | 4.66    | 4.66                       | 6       | 6      | 4 99.4 | 1.66   | 4.66   | 99.4   | 99.1  | 66   |
|            |       | 98.7 | 98.7 | 98.7 | 7.86 | 98.7   | 4.66    | 4.66                       | 99.4    | . 6    | 0      | 6      | 0      | 99.4   | 99.1  | 66   |
| 98         |       | 98.7 | 7.86 | 7.86 | 98.7 |        | 4.66    | 4.66                       | 99.     | . 66   | •      |        | 0      |        | 99.4  | 66   |
|            |       | 98.7 | 98.7 | 98.7 | 98.7 | 8      | 4.66    | 4.00                       | 99.4    |        | 4 99.4 | 4 99.4 | 0      | 99.4   | 99.4  | 66   |
| 00 × 1     |       | 98.7 | 4.66 | 4.66 | 4.66 | 4.66   | 100.001 | 100.00                     | 100.0   | 0      | 100    | 0100.0 | 1000.0 | 1001   | 100.0 | 100  |
| 300        |       | 98.7 | 4.66 | 4.66 | 4.66 | 4.6    | 100.001 | 100.0                      | 00      | 0100.0 | 0100.0 | 100    | -      | 100.0  | 100   | -    |
|            |       | 98.7 | 4.66 | 4.66 | 4.66 | 4.6    | 0       | 100.0                      | 100.0   | 0      | 20     | -      | 100    | 0      | 100   | -    |
| 8          |       | 98.7 | 4.66 | 4.66 | 4.66 | 4.66   | 100.001 | 100.0                      | 1000    | 0      | -      | 1000.0 | 100.0  | 100.0  | 1000  | 100  |
|            |       | 98.7 | 4.66 | 4.66 | 4.66 | 4 . 66 | 100.001 | 100.0                      | 100.0   | 1000   | 0100.0 | 10000  | 100.0  | 100.0  | 1000  | 100  |

TOTAL NUMBER OF OBSERVATIONS

200

0

0

MONTH

19 HOURS (1 S T.)

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

ACANA, GUAM

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91.0 93.6 92.9 ٨I 83.9 85.8 85.8 88.4 89.0 93.6 91.0 81.9 4.66 6.26 4.16 83.9 83.9 2.46 4.66 72.9 76.1 7.86 72.3 72.3 83.9 4.66 80.7 4.66 ٨I 4.66 72.3 83.9 4.79 4.66 6.26 93.6 4.66 2.46 89.0 83.9 85.8 91.0 92.9 2 5/16 83.9 83.9 88.4 93.6 83.9 83.9 85.8 89.0 89.0 91.0 6.26 4.16 4.66 4.66 2.46 4.66 83.9 85.8 85.8 92.9 92.9 92.9 7.86 4.66 9.66 4.66 4.66 4.66 4.66 × ٨١ 72.3 88.4 4.66 83.9 82.8 4.66 93.6 4.16 91.0 6.26 2.76 98.7 \* 85.8 85.8 83.9 83.9 0.68 0.68 91.0 91.0 92.9 92.9 92.9 83.9 83.9 83.9 83.9 83.9 83.9 2.46 97.4 97.4 4.66 4.66 88.4 88.4 88.4 88.4 88.4 4.66 4.66 4.66 4.66 4.66 4.66 4.66 98.7 98.7 4.66 4.66 4.66 ٨١ 6.26 80.7 83.9 2.46 76.1 ٨I VISIBILITY (STATUTE MILES) 91.0 91.0 4.16 2.46 92.9 4.16 4.66 85.8 85.8 76.1 83.9 98.7 93.6 3.46 4.66 83.9 83.9 80.7 £ ∧1 83.9 91.0 85.8 85.8 92.9 93.6 97.4 98.7 3.46 80.7 89.0 89.0 89.0 89.0 89.0 89.0 90.3 91.0 91.0 91.0 91.0 91.0 81.9 76.1 98.7 AI 72.3 83.9 83.9 4.70 83.9 83.9 85.8 85.8 93.6 93.6 84.2 16.1 98.7 88.4 88.4 88.4 88.4 88.4 92.9 92.9 98.7 98.7 7.86 1 2% 83.9 4.66 94.5 7.86 4.76 98.7 72.3 7.86 98.7 98. ٨١ 93.6 4.16 1.86 85.8 85.8 85.8 1.86 1.86 92.9 94.2 98.1 98.1 83.9 83.9 85.8 85.8 98.7 ٨I 92.3 92.9 97.4 98.1 83.9 83.9 2.46 72.3 80.7 96.8 97.4 98.1 7.86 98.1 97.4 98.1 11 83.9 83.9 93.6 83.9 AI 2 AI NO CEILING 80 VI VI 0005 0005 2000 4500 4000 (FEET) > 20000 Y 1400 VI VI 800 800 800 8 6 8 6 8 6 8 6 3000 2000 1500 98 88 88 88 88 AI AI MIM AI AI 11 11 14 14 11 11 11 14 AI AI AI AI AI AI AI AI MIM

TOTAL NUMBER OF OBSERVATIONS

155

22 HOURS (1 S T.)

MAR

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING   |         |         |          |      |       |       | 5      | VISIBILITY (STATUTE MILES | TATUTE MIL | ES)      |         |          |         |        |       |       |
|-----------|---------|---------|----------|------|-------|-------|--------|---------------------------|------------|----------|---------|----------|---------|--------|-------|-------|
| (FEET)    | VI<br>5 | ۰<br>۸۱ | S)<br>Al | 4    | £ 71  | ₹ 21% | Al Al  | ۲۱<br>۲۲                  | 7          | <u>-</u> | ≱<br>Al | <b>₽</b> | Z X     | ≥ 5/16 | AI N  | 0     |
| O CEILING |         | 58.7    | 58.      | 58.  | 58.   | 58.7  | 58.    |                           | 58.7       |          |         | 80       |         | 58.7   | 8     | 58.7  |
| × 20000   |         | 71.0    |          | -    | 71.0  | 71.   | 7      | 71.                       | 7          | 71.0     | 71.0    |          | 71.0    |        | 71.0  | -     |
| ≥ 18000   |         | 71.0    | 71.      | 71.  | 71.   | 71.   | 71.    | 71.0                      | 71.        | 71.0     | 71.0    | 71.0     | -       | 71.0   | 71.0  | 71.0  |
| V 16000   |         | 71.0    |          | 71.  | 71.0  | 71.0  | 71.0   | 71.                       | 71.0       | 71.0     | 71.0    | 71.0     | -       | 71.0   | 71.0  | 71.0  |
|           |         | 72.3    | 72.      | 72.3 | 72.   | 72.   | 72.    | 3 72.3                    | 72.        | 72.3     | 72.3    | 72.3     | 72.3    | 72.3   | 72.3  | 72.3  |
| × 12000   |         | 74.2    |          | 74.  | 74.2  | 74.2  | 74.2   |                           | 74.2       | 74.2     | 74.2    |          | 74.2    | 74.2   | 74.2  | 74.2  |
|           |         | 74.8    | 76.      | 76.  | -     | 74.8  | 3 74.8 | 76.                       | 76.        | 76.8     | 76.8    |          |         | 76.8   |       | 76.8  |
| 000       |         | 78.1    | 78.      | 78.  | 78.   | 78.   |        | 78.                       | 78.        | 78.1     | 78.1    | 78.1     | 78.1    | 78.1   | 78.1  | 78.1  |
|           |         | 80.7    | 80.      | 80.  | 00    | 0     | 8      | 0                         | 8          | 80.7     |         | 0        |         |        |       | 80.7  |
| > 7000    |         | 80.7    | 80.      | 80.  | 80.7  | 80.7  | 7 80.7 | 7 80.7                    | 80.7       | 80.7     | 80.7    |          |         | 0      | 80.7  | 80.7  |
|           |         | 80.7    | 80.      | 80.  | 80.   | 0     | 80.    | 80.                       | 8          | 0        |         | 80.      |         | •      | 80.7  |       |
| 2000      |         | 83.2    | 83.      | 83.  | 83.   |       | 83.2   | 83.                       | 83.2       |          |         | 83.      | 3       |        | 83.2  | 83.2  |
| 1         |         | 83.2    |          | 80   | 30    | 3     | 83.    |                           | 83.        | 83.2     | 83.2    | 83.      | 83.2    |        | 83.2  |       |
| 000       |         | 86.5    | 86.      | 86.  | 86.   | 86.5  | 86.5   | 86.                       | 86.5       |          | ;       | 86.      |         | .0     |       |       |
|           |         | 88.4    | 88.      | 88.  | 88.   | 88.   | •      |                           | .88        |          |         | 88.      | 8       | 8.     |       | 88.4  |
| 3000      |         | 91.0    | .16      | 0    | 0     | 6     | 91.    | -                         | 0          | •        | -       | 91.      | -       | -      | 91.0  | 91.0  |
|           |         | 92.9    |          | 92.  | 92.   |       | 92.    | 0                         | 92.        | 92.9     | 92.9    | 92.9     | 6.26    | 6.26   |       |       |
| 7 2000    |         | 94.2    | . 46     | 94.  | 94.   | ;     | . 46   | 94.                       | 94.        |          | *       | 94.      | ;       | *      |       |       |
|           |         | 94.8    | . 76     |      | 0     | 94.8  | . 76   |                           | 0          | *        |         | . 46     | 8.46    |        | :     | 94.8  |
| 1500      |         | 96.8    | 96       | 96.  | 97.4  |       | 97.    | 0                         | 97.        |          | 97.4    | -        | 97.4    | 97.4   | 97.4  | 97.4  |
|           |         | 98.1    |          | 98.1 | 98.7  | 98.7  | 7 98.7 | 7 98.7                    |            | 98.7     | 98.7    | 98.7     | 98.7    | 98.7   | 98.7  | 98.7  |
| 1000      |         | 4.66    |          | 4.66 | 100.0 | 100.0 | 1001   | 0100.0                    | 10         | 100.0    | 100.0   | 100.     | 100.001 | 100.0  | 100.0 | 00.00 |
|           |         | 4.66    |          | 4.06 | 100.0 | 0     | 100.   | 10                        | -          |          | 100.0   | 100      | 100.001 | 100.0  | 100.0 | 0000  |
| 80        |         | 4.66    |          |      | 0     |       | 100    | 100.                      | 100.       | 0.0      | 0       | 20       | 0       | 0      |       |       |
|           |         | 4.66    |          | 4.66 | 100.0 |       | 100.   | -4                        | 100.0      | 100.0    |         | 100.0    | 0       | 100.0  | 100.0 | 00.00 |
| 8         |         |         | 4.66     |      | 100.0 |       | 100    | 20                        | 100        | ò        | 100.0   |          |         | 0      | 10000 |       |
|           |         |         | 4.66     | 4.66 | 100.0 |       | 0      | 10                        | 100.0      | 0        | 100.0   | 100.0    | 100.001 | 100.0  | 100.0 | 00.00 |
| 8         |         |         | 4.66     | -    | 100.0 |       | 10     |                           | 100.0      | 100.0    |         | 100.0    |         | 10000  | 10000 | 0000  |
|           |         | 4.66    | 4.66     | 4.66 | 100.0 |       | -      | 0.0010                    | 1.00.0     | 100.0    | 100.0   | 100.0    | 100.00  | 100.0  |       | 0000  |
| 300       |         |         | 4.66     |      |       | •     | 10     |                           | 100.0      | 10000    |         | 100.0    |         | 100.0  | 100.0 | 0.001 |
| 901       |         |         | 4.66     | 7.66 |       | 0     | 0      | -                         | 0          | 0.00     | 100.0   | 10000    | 100.00  | 100.0  |       | 100.0 |
| ٥         |         |         | 4.66     | 4.66 | 100.0 | 00    | 100    | 0100.0                    | 00.00      | 0        | 00      | 100.0    | 0000    | 00     | 0000  | 0     |

TOTAL NUMBER OF OBSERVATIONS

155

....

5703

1234-18766

CEILING VERSUS VISIBILITY JAN 68

=

1240

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GUAM

MAR

|                            | AI       | 52.3       | 99      | 68.  | 69.0    | 71.5    | 76.9  | 77.    | 79.1 | 79.4   | 79.7 | 81.3 | 82.   | 84.    | 85.   | 87.3 | 88.2  | 88.    | 89.8  |        |      | 98.  | . 86  | 366  | 99.  | .66   |      | 66      | 1000  | 100    | 100  | 100   |
|----------------------------|----------|------------|---------|------|---------|---------|-------|--------|------|--------|------|------|-------|--------|-------|------|-------|--------|-------|--------|------|------|-------|------|------|-------|------|---------|-------|--------|------|-------|
|                            | AI N     | 52.3       | •       |      | 6       | -       |       | -      |      | 6      |      | -    | 2     |        | 85.7  | -    | 88.2  |        | 0.    | 3      | ;    | 98.6 | 98.7  | 4.66 | 4.66 | 6     | 6    | 66.66   | 0     | 00001  | •    | 0000  |
|                            | ≥ 5/16   | 52.3       |         | 68.8 | •       | -       | 76.5  |        | 19.4 |        | •    | -    |       |        | 3     | -    | 88.2  | 8      | 89.8  | 3.     |      |      | 98.7  |      |      | 4.66  | •    | 6.66    | 00.00 | 0      | 0    | 00.00 |
|                            | ۲۸<br>۲۷ | 52.3       | 8       | 68.5 | 6       | -       | 76.5  | -      | 6    | 6      | 6    | -    |       | 4      | 3     |      | 88.2  |        |       |        |      |      | 1.86  |      | 4.66 | 1.66  |      | 6.66    |       | 00.01  |      | 00.00 |
|                            | *        | 52.3       | .2      | 58.8 | 0.6     | 1.5     | .5    | 7.2    | 4.6  | 4.6    | .7   | 1.3  | 82.0  | 4.3    |       | 7.3  | 88.2  | 8.9    | 8.6   | 3.5    | 6.9  | 8.6  |       | 4.6  | 4.   | 1.6   | 9.8  |         | 0.0   |        | 0.0  | 10.00 |
|                            | <i>≱</i> | 2.3        | 8       |      | 0.6     | :       |       | 7.2    | 4.6  | 4.6    | 1.6  | 1.3  | 2.0   | 4.3    | 5.7   | 7.3  | 8.2   | 6.8    | 8.6   | 3.5    | 6.9  | 9.8  | 8.7   | 4.6  | 4.6  | 7.6   | 8.6  | 6.6     | 0.01  | 0.0    | 0.01 | 0.01  |
|                            | -        | 2.3        |         | 8.5  | ·       |         | 6.5 7 | 2.     | 4.   | *      |      | .3   | 0     |        | 5.7 8 | 6    | 8.2 8 | 6.     |       | .2     | 6.   | 9.   | 8.7 9 | 4    | *    |       | 9.8  | •       | -     | ò      | 0.0  | 0.010 |
| TE MILES)                  | 77       | 20.3       | 4 .     | 8.5  | 0       | -       | 6.5 7 |        |      | 9.4 7  |      | •    | 2.0 8 |        | 5.7 8 | 6.   | 3.2 8 | 6.     | 9.8   | .2     |      | 9.   | 8.7 9 | 4.   | 4    | 9.7.9 |      | 9.99    |       | 0.000  | 0    | 0.010 |
| VISIBILITY (STATUTE MILES) | 7. 2.    | 60 00      | 200     | 5    | 000     |         | . 5 7 | .2 7   | .47  | . 4 7  | .7 7 | .3   | 8 0.  | .3 8   | .7 8  | .3   | .2 8  | 6.     | . 8   | .2 9   | 6 6. | 6 9. | .7 9  | . 4. | 0 4. | .1 9  | .8 9 | 6.      | 00100 | -0     | .010 | .010  |
| VISIBILIT                  | ۸۱       | .3 52      | 9       | 5 69 | 0       | -       | .5 76 | -      | -    | ~      | 7    | 8    | 0     | 8      | •     | 80   | .2 88 | 8      | .8 89 | 0      | 000  | 6 9. |       | 6 4. | 0 4. | 6 9.  |      | .8 9    | .910  | .910   | 2    | .9100 |
|                            | Al       | 25 8       | 9       | 5 68 | 0       | -       | 5 76  |        | 1    | 1      |      | 90   |       | 00     | 8     |      | 100   | 00     |       | 6      | 0    | 86 9 | 86 9  | 66 1 | 66   | 66 4  | 66 1 | 66 9    |       |        |      | 66    |
|                            | 2 2%     | 52.        | 4       | 8    |         | •       |       |        |      |        | 6    |      | 82.   | 84.    | 85.   | 87.  | 88.   | 88.    | .68   | 93.    | .96  | 8    |       |      | .66  | 66    | 66   | 6       | 66    | .66    | .66  | .66   |
|                            | ۱۷       | 52.3       | •       | 68.5 | 6       | -       |       | -      | 6    | 6      | 79.7 | -    | 2.    | ;      | 5.    | -    | 88.2  |        | 6     | 3.     |      | 98.6 | 8     | 99.1 |      | 99.3  |      |         | 6     | 96.6   | 6    | 9.66  |
|                            | AI       | 52.3       |         | 68.5 |         | 71.5    | 76.5  | •      | 79.4 | 79.4   | 79.7 | •    | 2     | •      |       | -    | 88.2  |        | 6     |        |      |      | 8.    |      | 98.7 |       | 0.66 | 1.66    | 99.5  | 6      | 6    | 99.2  |
|                            | S Al     | 52.3       | 4 .     | 68.5 |         | 71.5    |       | 77.2   |      | 79.4   |      | 81.3 | 82.0  | 84.3   |       | 87.3 | 88.2  | 88.9   | 89.8  | 93.1   | 9.96 |      |       |      |      | •     |      | 98.9    |       | 0.66   | 0.66 |       |
|                            | ۸I       | 52.3       |         | 68.5 |         | 71.5    |       |        | 19.4 | 79.4   |      |      | 82.0  |        |       | 87.1 | 87.9  |        | 89.5  |        |      | 97.7 |       | 98.1 | 98.1 | 98.2  | . 8  | 98.3    | 4.86  | 4.86   |      | 98.4  |
|                            | 5        |            |         |      |         |         |       |        |      |        |      |      |       |        |       |      |       |        |       |        |      |      |       |      |      |       |      |         |       |        |      |       |
| CEILING                    | (FEET)   | NO CEILING | 00081 V | 141  | 7 14000 | > 12000 |       | > 9000 |      | > 7000 |      | 2000 |       | V 4000 |       | 3000 | 1     | × 2000 |       | > 1500 |      | 0001 |       | 008  |      | 8     |      | 00<br>1 |       | 200 ^1 | 8    |       |
|                            |          |            | _       | _    | _       | -       | _     | _      |      | _      | _    | _    | _     | _      |       | -    | _     | _      | _     | -      | _    | _    | _     | -    |      | -     |      | _       |       |        |      |       |

TOTAL NUMBER OF OBSERVATIONS

### 5703 CEILING VERSUS VISIBILITY JAN 68

PERCEN AGANA, GUAM

CEILING VERSUS VISIBILITY

| NTAGE FREQUENCY OF OCCURRENCE | ATIONS)        |
|-------------------------------|----------------|
| CY OF                         | OBSERVATIONS   |
| REQUEN                        | <b>DURLY C</b> |
| TAGE FI                       | (FROM HOURLY   |
| Z                             | =              |

|                            |          | -          |         |       | _   | _     | -   | -   | 461 | _   | _    | -   | ~    | -    | -   | _    | _   | _    | _   | -    | -    | _    | -   | _   | -   | -   | -   | -   | -   | _   | ~   | ~   | ~    |
|----------------------------|----------|------------|---------|-------|-----|-------|-----|-----|-----|-----|------|-----|------|------|-----|------|-----|------|-----|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
|                            | 0        |            | . 9     |       | 6.1 | 8.7   | 9.  |     |     | 5.3 | 3.3  | 5   | 3    | 9    | 7.  | 8.0  |     | 9.3  |     | 9.   | :    | 8.   | :   |     | :   |     | 9.3 |     |     |     |     |     | 3    |
|                            | ۸ı       | 0          | -       | -     | -   | -     | -   | 8   | 8   | æ   | 00   | 40  | 00   | 8    | 8   |      |     | 80   |     |      | 6    | 0    | ō   | 0   | ŏ   | 66  | 0   | 66  | 66  |     | 100 | 20  | 100  |
|                            | *        |            | -       |       |     |       |     |     | 3   | 3   | .3   |     |      | 0    |     | 0.   | 3   |      |     |      | 0    |      |     |     |     |     |     | 143 |     | 0   | 0   |     | 10.  |
|                            | Al       | 8          | 76      | 26    | 76  | 78    | 79  | 83  | 85  | 85  | 85   |     | 85   | 86   | 87  | 88   | 89  | 89   |     |      |      | 86   | 66  | 66  | 66  | 66  | 66  | 66  | 6   | O   | 00  | 00  | 100  |
| 1                          | •        |            | -       | -     | -   | -     | 1   | m   | 3   | -   | 3    | 3   | •    | 0    | 3   | 0    | 100 | 100  | 6   | 200  | 0    | -    | 1   |     | 3   | 673 | 20% | 103 | 50) |     | 10  | 8   | 0    |
|                            | ≥ 5/16   |            | 16      | 76    | 16  | 18    | 19  |     | 83  | 83  | 85   | 85  |      | 1    | 87  | 88   | 0   | 89   | 0   |      | *    | 86   | 66  | 0   | 66  | 66  | 66  | 66  | 66  |     | 00  | 8   | 00   |
| 1                          |          | -          | -       | ~     | -   | -     | 3   | m   | 1   | •   |      |     |      | 0    |     |      |     |      |     |      |      |      | ~   | •   | ~   | 203 | •   | m   |     | -   | 5   | -   | 0    |
|                            | VI Z     | 9          | . 9     | 6     | 0   | 8     | 6   | 83. | 85. | 85. | 15   | 85. |      | 86.  | 87. | 88.  | 89. | 89.  | 68  | 89.  |      | 98.  |     |     |     |     | 66  | 66  | 66  |     |     | 00  | 1001 |
| -                          |          | ~          |         | -     |     | -     |     | 6   | 3   | 1   | 3    |     |      | 0    | 3   | 0    |     |      |     | 3    |      |      | 60  | 6   | 60  | 6   | 8   | 6   | 60  |     | 3   | 3   | 3    |
|                            | *        |            | 9       |       | . 9 |       |     |     | 3.  |     |      |     |      | .0   |     | 8    | 6   |      | 6   | 6    | ;    |      |     | 6   | 6   |     |     |     | 6   | 00  |     |     | 00   |
|                            | ^'       |            |         |       | 1   |       |     |     |     | 200 |      |     |      | 8    |     |      | -   | 00   |     |      |      |      |     |     | 0   | 0   | 0   | 0   |     | -   | -   | -   | -    |
| 1                          | *        |            | . 0     |       | . 9 | 8.1   |     |     |     | 5.  | •    |     | •    | 6.0  |     | 8.0  |     | 6    | •   | 9.3  |      | 8.   |     |     | •   |     |     | 9.3 |     |     | •   |     | 0.0  |
|                            | AI       | ŏ          |         | ~     | 7   | 7     | -   | 00  |     | œ   | 8    |     | 80   |      | 8   | 8    | 8   |      | 8   |      |      |      | 6   |     | 0   |     |     | 6   | 0   |     | 0   | -   | 100  |
|                            | -        | 7          | - 7     | 1.    |     |       | . 3 | . 3 |     |     |      |     |      |      |     |      | .3  | •    | . 3 | . 3  | .0   |      |     |     |     |     |     |     | •   |     |     | 0   |      |
| 8                          | ΛI       |            | 76      |       | 76  | 78    | 19  | 83  | 8   | 85  |      | 5   |      | 86   | 87  |      | 99  | 89   |     |      | 46   | 98   |     | 66  | 6   | 66  |     | 66  | 66  | 100 | 100 | 001 | 100  |
| 7                          | 77       |            | 7       | 1.    | 1-  |       |     |     |     | .3  |      |     |      | *    | -   | •    |     |      | 3   |      | 0    | 0    |     |     |     | 1   |     | -   |     |     |     | •   | 3    |
| VISIBILITY (STATUTE MILES) | VI       | 90         | 76      | 10    | 76  | 18    | 10  |     |     |     | 85   | 8   |      |      |     | •    | 68  | 68   |     | 89   |      | 86   |     | 86  |     | 86  |     | 86  | 98  |     |     | 66  | 66   |
| ATS)                       | ,        | ~          | 1       | ~     | ~   | -     | m   | 223 | 0   | 200 | (1)  | m   | 200  | 2    |     |      | er. | (1)  | 1   | (4)  | 0    | 0    | -   | -   | -   | ~   | ~   | -   | -   | 503 | 603 | 10  | 10   |
| Tin I                      | ۲۱<br>۱۷ | 9          | 76      |       | 70, | 78    | 19  | 83  | 85  | 88  | 85   | 85  |      |      |     |      |     | 68   |     | 0    | *    | 86   |     | 98  |     |     | 86  |     | 86  |     | 66  |     | 6    |
| 18.8                       |          |            |         | -     | -   | -     | •   |     | ~   | 103 | 3    | 60  |      |      | C   |      |     | 3    | 3   | 3    | 0    | 0    | -   |     | -   | -   | -   | 1   | -   |     | 0   | (L) | co.  |
|                            | 1 2      | 9          | 76.     | 9     | 16. | 8     | 19. | 33  | 85. | 85. | 85.  | 85. | 35.  | 86.  | 37. |      | .69 | 89.  |     |      | . 46 | .86  | 98. |     | 98. | .86 | 98. | .86 | 98. | 6   | -   |     | 66   |
| -                          |          | 1          |         |       |     | -     | M   | m   | 100 |     |      |     |      | 0    |     | 0    |     | 2    |     | ~    |      | 0    |     | -   | -   | -   | -   | -   | -   | -   | -   | -   |      |
|                            | 2 2 1/2  |            | 9       |       | . 9 |       | 6   |     | 5   | 3   |      | 5.  |      |      | 7   |      |     | 6    |     | 9.   |      |      |     | 8   |     |     |     |     | 8   |     |     |     | œ    |
|                            | ٨١       | 7          | 7 7     | 1     | 7 7 | 1 7   |     |     | 8   | 8   | 3    |     |      | 80   |     | 8    |     | 8    |     |      |      | 0    |     |     | 6   | 0   | 2   | 6 2 | 0   | 0   | 2   | 0   | 2    |
|                            | ۳<br>۱۸  | •          | 3       |       |     |       | •   | 3.  | 5.  | 3   | 5    | •   | 5    | •    | 7.  | •    | 6   | 9.   |     | •    |      | 8.   |     |     | 8   |     | . 8 | . 8 | 8   |     | 8   | 8   | 8    |
| 1                          | ^'       | 0          | 7       | 1     | -   | -     | 1   | 80  | 00  | 20  | 80   | œ   |      |      | 8   |      |     |      | œ   |      | 0    |      | 0   |     | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    |
|                            |          | 5.         | 6.1     | 5.7   | 6.7 |       | 9.3 | •   | 5.3 | 5.3 | •    | 5.3 |      | 6.0  | 7.3 |      |     | 9.3  |     |      |      | 8.0  | 3.7 | 8.1 |     | 8.1 | 8.7 | 3.7 |     | 8.7 |     | 8.1 | 8    |
|                            | ۸ı       |            | 7       | -     | 1   | 1     | 1   |     |     | 8   | 8    | 80  | 8    | 8    | 20  | 80   | 00  | 00   | 80  | 80   | 0    | 0    | 0   | 0   | 6   | 0   | ō   | 6   |     |     |     |     | 5    |
|                            |          |            |         |       | 1.  |       | 1.3 | .3  | .3  |     |      |     |      | 0    |     |      |     |      |     |      |      |      |     |     | . 1 | 1.1 | 1.7 | 1.7 |     | 1.1 |     |     | •    |
|                            | ۸I       | 9          | 76      | 76    | 76  | 78    | 75  | 8   | 30  | 8   | 60   | 00  | 00   | 8    | 8   | 8    | 8   | 6    | 8   | 6    | 6    | 36   | 6   | 6   | 36  | 6   | 6   | 86  | 6   | 86  | 0   | 6   | 6    |
|                            | •        | -          |         | -     | 1.  | -     | 12  | 1   |     |     |      |     |      |      |     |      |     |      |     |      |      |      |     |     |     |     |     |     |     | 0   |     |     | 0    |
|                            | ۸I       | 66         | 76      | 76    | 76. | 78    | 79  | 83  | 85  | 85  | 65   | 85  | 8    | 8    | 87  | 88   | 89  | 89   | 89  | 89   | 5    | 97   | 86  | 98  | 98  | 96  | 98  | 98  | 9   | 0   | 98  | 8   | 0    |
|                            |          |            |         |       |     |       |     |     |     |     |      |     | -    |      |     |      |     |      |     |      |      |      |     |     |     |     |     |     |     |     |     |     | 1    |
|                            | 7 7      |            |         |       |     |       |     |     |     |     |      |     |      |      |     |      |     |      |     |      |      |      |     |     |     |     |     |     |     |     |     |     |      |
| o                          |          | S          | 8       | 8     | 8   | 2     | 8   | 9   | 8   | 2   | 9    | 9   | 2    | 9    | 2   | 9    | 9   | 9    | 2   | 9    | 8    | 8    | 2   | 2   | 8   | 9   | 8   | 200 | 8   | 30  | 8   | 8   |      |
| CEILING                    | Lee      | NO CEILING | 7 20000 | 18000 |     | 14000 |     | 100 | 800 |     | 7000 |     | 2000 | 4500 |     | 3500 |     | 2500 |     | 1800 |      | 1200 |     | 8   |     |     | 8   |     |     |     |     |     |      |
| Ū,                         |          | 2          | AI      | Al    | Al  | Al    | ۸١  | ٨١  | Al  | Al  | Al   | Al  | ۸۱   | ٨١   | Al  | Al   | Al  | Al   | ٨١  | ٨١   | ٨١   | ٨١   | ۸۱  | Al  | ٨١  | Al  | Αl  | Al  | ۸۱  | Al  | Al  | Al  | ^'   |

TOTAL NUMBER OF OBSERVATIONS

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

76415 Oct

\$0 sanox

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AI 83.3 87.3 0.86 79.3 84.0 84.0 85.3 86.0 8.66 80.0 82.0 83.3 83.3 91.3 66.3 99.3 99.3 88.7 88.7 88.7 79.3 83.3 85.3 86.0 87.3 8.66 86.66 82.0 84.0 84.0 88.7 98.0 99.3 83.3 80.3 80.0 83.3 63.3 88.7 88.7 91.3 86.3 80.66 66.3 82.0 84.0 60.66 84.0 85.3 88.7 98.0 66.3 66.3 99.3 66.3 86.66 19.3 83.3 86.0 87.3 80.0 83.3 83.3 83.3 61.3 99.3 86.7 83.3 82.0 85.3 84.0 86.0 87.3 88.7 0.86 99.3 79.3 83.3 83.3 88.7 78.7 83.3 84.0 80.0 91.3 99.3 88.7 99.3 82.0 79.3 84.0 99.3 83.3 83.3 99.3 83.3 88.7 88.7 61.3 AI 79.3 83.3 88.7 98.0 78.7 84.0 66.3 82.0 83.3 66.3 83.3 99.3 80.0 83.3 99.3 99.3 66.3 99.3 AI VISIBILITY (STATUTE MILES) 91.3 0.86 66.3 66.66 88.7 99.3 99.3 88.7 88.7 88.7 88.7 7 79.3 91.3 91.3 87.3 82.0 83.3 84.0 85.3 0.86 66.3 66.3 80.0 83.3 86.0 83.3 84.0 99.3 7 0.86 79.3 83.3 84.0 84.0 86.0 87.3 83.3 85.3 6.66 6.66 6.66 83.3 88.7 88.7 66.3 82.0 80.0 6.66 83.3 85.3 86.0 84.0 91.3 82.0 0.40 88.7 88.7 66.3 99.3 86.3 80.0 83.3 83.3 66.3 66.3 66.3 84.0 85.3 86.0 66.3 66.3 19.3 83.3 83.3 0.86 66.3 99.3 80.0 63.3 83.3 84.0 61.3 99.3 82.0 87.3 88.7 88.7 88.7 66.66 M Al 79.3 82.0 83.3 84.0 88.3 87.3 88.7 83.3 83.3 86.0 1.06 97.3 98.7 98.7 7.86 78.7 78.7 80.0 83.3 84.0 88.7 88.7 7.86 98.7 98.7 98.7 11 83.3 86.0 88.7 84.0 87.3 82.0 0.86 0.00 84.0 85.3 1.96 0.86 0.86 0.86 0.86 79.3 83.3 83.3 80.0 83.3 88.7 78.7 20.1 88.7 7.86 AI 87.3 78.7 80.0 84.0 84.0 82.0 83.3 83.3 83.3 85.3 88.7 0.96 1.96 88.7 96.7 83.3 40.1 98.7 7.96 96.7 88.7 96.7 96.7 96.7 1.96 7.96 96 AI 2 ٨١ NO CEILING (FEET) VI VI 00081 0008 80 × 20000 12000 000 000 000 2000 3000 800 7000 \$ 50 \$ 00 \$ 00 \$ 00 2000 500 88 88 88 88 88 AI AI AI AI ALAI ALAI 11 11 AI AI AI AI ALAI AI AI AI AI AIAI

TOTAL NUMBER OF OBSERVATIONS

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07 HOURS (1.5.T.)

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING VERSUS VISIBILITY

| CEILING    |    |         |      |       |       |       | VISIA | BILITY (ST. | VISIBILITY (STATUTE MILES) | (\$)  |      |        |      |        |        |      |
|------------|----|---------|------|-------|-------|-------|-------|-------------|----------------------------|-------|------|--------|------|--------|--------|------|
| (FEET)     | 71 | ٥<br>٨١ | 8    | AI AI | 21    | ≥ 2%  | AI    | VI 25       | 7                          | Ā     | AI   | *      | ۷۱   | 2 5/16 | AI     | ٨١   |
| NO CEILING |    | 56.0    | 56.0 |       | 56.0  | 56.0  | 56.0  | 56.0        | 56.0                       | 56.0  | 56.0 | 2      | 56.0 | 56.    | 0.98 0 | 56.  |
| ≥ 20000    |    | 72.7    | 72.7 | 72.7  | 72.7  | 72.7  |       | 72.7        | 72.7                       | 2.    | 2    | 72.    | 72.  | 72.    |        |      |
| ≥ 18000    |    | 72.7    | 72.7 | 72.7  | 72.7  | 72.7  | 72.7  | 72.7        | 72.7                       | 72.7  | 72.  | 72.7   | 72.7 | 72.    | 7 72.7 | 72.  |
| ≥ 16000    |    | 72.7    | 72.7 | 72.7  | 72.7  | 72.7  | 72.7  | 72.7        | 72.7                       | 72.7  | 72.  | 72.    | 72.7 | 72.    | 7 72.7 | 72.  |
|            |    | 73.3    | 73.3 | 73.3  | 73.3  |       | 73.3  | 73.3        | 73.3                       | 73.3  | 73.  | 73.    | 73.3 | 73.    | 3 73.3 | 73.  |
| > 12000    |    | 75.3    | 75.3 | 78.3  | 75.3  | 75.3  | 75.3  | 75.3        | 75.3                       | 75.3  | 75.3 | 75.3   | 75.3 | 75.    | 3 75.3 | 75.  |
|            |    | 80.7    | 80.7 | 80.7  | 0     | 80.7  | .0    |             | 80.7                       | 80.7  | 0    | .08    | 00   | 80.    | 7 80.7 | 80.  |
| 0006       |    | 81.3    | 81.3 | 81.3  | 81.3  | 81.3  | 81.3  | 81.3        | 81.3                       | :     | -    | 81.    | 0    | 81.    | 3 81.3 |      |
| 1          |    | 82.0    | 82.0 | 2     | 2     | 2     |       | 2           | 82.0                       | 2     | 2.   | 82.    | 82.  |        |        | 82.  |
| 7000       |    | 82.7    | 82.7 | -     |       | 82.7  | 82.7  | ~           | 82.7                       | 82.7  |      | 82.    | 82   | 82.    | 7 82.7 | 82.  |
|            |    | 82.7    | 82.7 |       | 82.7  | 82.7  |       | 82.7        | 82.7                       |       | 82.  |        | 82.  | 82.    | 7 82.7 | 82.  |
| 2000       |    | 84.0    | 84.0 | :     |       |       |       | 84.0        |                            | - 2   | 84.0 | •      | 84.0 | 84.    | 0 84.0 | . 48 |
| 1          |    | 86.7    | 86.7 |       |       |       |       |             |                            | 86.7  | 86.  | 1 86.7 | 80.  | 86.    | 7 86.7 | 86.  |
| 4000       |    | 88.7    | 88.7 | 88.7  | 88.7  | 88.7  | 68.7  |             | 88.7                       | 1305  |      |        | 80   | 88.    | 7 88.7 | 88.  |
| 1          |    | 92.0    | 92.0 | 92.0  |       |       | 2.    | 92.0        |                            |       | 92.( | 92.    | 92.0 | 92.    | 0 92.0 | 92.  |
| 3000       |    | 93.3    | 93.3 | 93.3  | 93.3  | 6     | 93.3  |             | 93.3                       |       |      |        | 93.  | 0      | 93.    | 93.  |
|            |    | 63.3    | 93.3 | 93.3  | 93.3  | 3     | 93.3  | 93.3        |                            | 93.3  |      | 93.    | 93.3 | 93.    | 3 93.3 | 93.  |
| > 2000     |    | 93.3    | 93.3 | 93.3  | 93.3  | 93.3  | 93.3  |             |                            | 93.3  | 93.  |        | 0    | 93.    | 3 93.3 | 93.  |
|            |    | 93.3    | 63.3 | 93.3  | 93.3  | 93.3  | 93.3  | 93.3        |                            | 93.3  | 93.3 | 3      | 93.3 | 93.    | 3 93.3 | 93.  |
| > 1500     | ,  | 94.7    | 4.7  | 94.7  | 7.46  | 94.7  | 7.96  | 94.7        | 7.50                       | 7.46  | . 46 | 7 94.7 |      | 94.    | 7 94.7 | 94.  |
| -          |    | 99.3    | 96.0 | 46.7  | 97.3  | 97.3  | 97.3  | 97.3        |                            | 97.3  | 97.  | 1 97.3 | 97.3 | 97.    | 3 97.3 | 97.  |
| V 1000     |    | 97.3    | 98.0 | 98.7  | 99.3  | 86.3  | 66.3  |             | 99.3                       | 99.3  | 99.  | 1 99.3 |      | 66     | ₹ 99.3 | .66  |
| 8          |    | 97.3    | 0.86 | 98.7  | 66.66 | 86.66 | 60.3  |             | 99.3                       | 66.3  | 99.  | 1 99.3 |      |        | ₹ 99.3 | .66  |
| N 800      |    | 97.3    | 98.0 | 7.86  | 99.3  | 99.3  | 99.3  | 99.3        | 99.3                       | 66.66 | .66  | 99.3   | 99.3 | 99.    | € 66 € | .66  |
|            |    | 97.3    | 98.0 | 98.7  | €.66  | 99.3  | 66.3  |             | 66.3                       | 66.3  | 99.  | 8 99.3 |      | 66     | 3 99.3 | .66  |
| 9          |    | 97.3    | 0.86 | 7.86  | 8.66  | 66.3  | 80.66 | 99.3        | 99.3                       | 6.66  | 99.  | 8.66   | 99.3 | 66     | 3 99.3 | .66  |
|            |    | 97.3    | 98.0 | 98.7  | €.66  | 66.3  | 66.3  | 99.3        | 99.3                       | 8.66  | 99.  | 8 99.3 | 66.3 | 66     | ₹ 99.3 | .66  |
| 04<br>^I   |    | :       | 98.0 | 7.86  | 66.66 | 99.3  | 66.3  | 99.3        | 99.3                       | 99.3  | .66  | 86.3   | 99.3 | .66    | 3 99.3 | .66  |
| 300        |    | 7.      | 98.0 | 7.86  | 66.3  | 86.3  | 6.66  | 99.3        | 86.3                       | 8.66  | 66   | 66.5   | 99.3 | 66     | ₹ 99.3 | 66   |
|            |    |         | 0.86 | 08.7  | 66.3  | =     | 6.66  | 90.3        |                            | 60.3  |      | .66    | 0    |        | 0      | 99.  |
| 8          |    | 97.3    | 98.0 | 98.7  | 66    |       | 0     | 0.0         | 0.0                        | ò     | 0    | 100    | 100  | 90     | 010    | 100  |
|            |    | -       | 98.0 | 98.7  | 66.3  | 66    | 00.00 | 00.00       | 00.00                      | 100.0 |      | 0100   | 9    |        | 0100   | 100  |

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

ACANA, GUAM

| CEILING    |          | O CEILING | ≥ 20000 |       | ≥ 16000 |       | 2 12000 |      | 2 8000 |      | 2 7000 |      | > 2000 |       | 5 4000 |     | 3000 |     | > 2000 | ≥ 1800 | 1500 |      | 0001 4 |     | N 800 |      | 000  | 905  | 7 400 | 300  |      | 81 4 |      |
|------------|----------|-----------|---------|-------|---------|-------|---------|------|--------|------|--------|------|--------|-------|--------|-----|------|-----|--------|--------|------|------|--------|-----|-------|------|------|------|-------|------|------|------|------|
|            | 5        | 4         |         | -     |         |       | -       |      |        | -    | -      | -    | 50     | 03    | 60     | 30  | 0    |     |        | 3      | 5    | 8    | 5      | 5   | 5     | 5    | 5    |      | 5     | 5    | 5    | 5    | 0    |
|            | ٠<br>٨١  | 6.6       | 70.7    |       | 71.3    | 7.2.7 | 74.7    |      | 0.8    | 78.7 | 78.7   | 78.7 |        | 80.7  | 12.0   |     | 83.3 |     | 15.3   | 86.0   |      | 1.96 | 0.8    | 0.8 | 7.86  | 18.7 | 4.86 | 7.86 | 7.86  | 48.7 | 18.7 | 7.86 |      |
|            | 8 1      | 49.3      | 70.7    |       |         |       | *       |      | 8      | 8.   |        |      | 0      | 80.7  | 5      | 2   |      | ;   | 3      | ;      |      |      |        | 8   | 8     |      |      |      | 8     |      | 98.7 | 98.7 | 00   |
|            | AI       | 49.       | 70.     | 71.   | 71.     | 72.   | 74.     | 78.  | 78.    | 78.  | 78.    | 78.  | 80.    | 80.7  | 82.    | 82. | 83.  | 84. | 85.    | 86.    | . 46 | 96   | 98.    | 98  | 98.   | .86  | .86  | 98.  | 98.   | 98.  | 98.7 | 7.86 |      |
|            | ε<br>Al  | 49.       | 70.     | 71.   | 71.     | 72.   | 74.     | 78.  | 78.    | 78.  | 78.    | 78.  | 80.    | 80.7  | 82.    | 82. | 83.  | 84. | 85.    | 86.    | 94.  | 96   | 98.    | 98. | .86   | .86  | 0    | .86  | 98.   | .66  | 6    | 66   |      |
|            | 2 2%     | 49.       | 70.     | 71.   | 71.     | 72.   | 74.     | 78.  | 78.    | 78.  | 78.    | 78.  | 80.    | 80.   | 82.    | 82. | 83.  | 84. | 85.    | 86.    | 94.  | 96   | 98.    | 98. | 98.   | 98.  | 8    |      | 98.   | 66   | 99.  | 6    | 00   |
|            | VI VI    | 3         |         | 3 71. |         | 1     | 1-      | -    | -      | -    | -      | -    | 80     | 7 80. | 00     | 00  | 80   | 00  | 90     |        | 0    | 0    | -      | 0   | 0     | 0    | 0    |      | 6     | 0.   | 0    |      |      |
| VISIBILITY | AI       | 3 49      | 1       | 3 71  | -       | 7 72  | -       | -    | -      | 1    | 1      | 1    | 8      | 7 80  | 00     | •   | 00   | 00  | 8      | 8      | 0    | 7 96 | 0      | 0   | 0     | 0    | 0    | 7 98 | 0     | 0    | 0    | 3 99 | (    |
| Y (STATUTE | 2,1      | 100       | 1       |       | .3      | .7    |         | 0    | 0      | . 7  | -      |      | 0      |       | 0      | 0   | •    | 0   |        | 0      |      | 1.   | 0      | 0   |       | 1.   |      |      |       | · ·  | ·    | 123  |      |
| UTE MILES) | 7        | 6         | 0       | -     | :       | 2.    | *       |      | 8      |      |        |      | 0      | 80.7  | 3      | 2   | 3    |     | 2      | . 9    |      |      | 8      | *   | 8     | 8    | 7.86 |      | 8     | 6    | 6    |      |      |
| (S)        | Ā        |           | 0       | •     | :       | •     | 74.7    |      |        |      |        | *    | ò      | 80.7  | 2      | 3   | •    | *   |        |        | ;    | .0   | 00     |     | *     | *    |      |      | 8 .   |      | •    | 66.3 |      |
|            | ∦<br>∧i  | 49.       | 70.     | 71.   | 71.     | 72.   | 74.     | 78.  | 78.    | 78.  | 78.    | 78.  | 80.    | 80.   | 82.    | 82. | 83.  | 84. | 85.    | 86.    | 94.  | .96  | 98.    | 98. | 98.   | 98.  | 98.  | .86  | 98.   | .66  | 66   | .66  |      |
|            | * AI     | 49.       | 70.     | 71.   | 71.     | 720   | 74.     | 78.  | 78.    | 78.  | 78.    | 78.  | 80.    | 7 80. | 82.    | 82. | 83.  | 84. | 85.    | 86.    | 94.  | 96   | 98.    | 98. | 98.   | .86  | 98.  | .86  | 98.   | .66  | 66   | 0    | 00   |
|            | VI X     | 3 49      | 7 70.   | 3 71. | 3 71.   | 7 72. | 7 74.   | 0 78 |        |      |        |      |        | 7 80. |        |     |      |     |        | 1      |      |      |        |     |       |      |      |      | -     | -    | -    |      | 2010 |
|            | VI<br>So | 4         | 7 70    | ~     | 3 71    | -     | 7 74    | ~    | ~      | ~    | -      | ~    | 0      | 7 80  | 80     | 100 | 80   | 100 | 0      | 20     |      | 0    | 0      | 0   | 0     | 0    | 0    | 66 € | 0     | 20   | 2    | 0100 |      |
|            | 9        | 1         |         | -     | -       | -     | -       | .00  | .0 7   | .7 7 | .7 7   | .7 7 | 8 0.   | . 7 8 | .08    | 90. | .3 8 | .0  | .3 8   | -      |      |      |        |     |       | (4)  | •    | ·    | •     | 10.  | 60   | .010 | 4.0  |
|            | **       |           | 1.0     |       |         |       |         |      |        |      |        | . 2  | 0      | 1.0   | 0.     | 0   | 6    | 0.  | 6      | 0.     | 1.   |      |        |     |       |      |      | 6.3  | •     | 0    | 0.01 | 0.01 |      |
|            | ٨١       | 49.       | 70.     | 71.   | 71.     | 72.   | 7       | 78.  | 78.    | 78.  | 78.    |      |        | 80.   |        |     |      |     | 85.    | 86.    | . 76 | .96  | .86    |     | .66   | .66  |      | .66  | 99.   | O    | 0    | 00   | 0    |

TOTAL NUMBER OF OBSERVATIONS

### CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY ACANA, GUAM

HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |      |      |      |        |      |       | VISIN | BILITY (STA | VISIBILITY (STATUTE MILES) | S)   |       |         |        |        |         |       |
|------------|------|------|------|--------|------|-------|-------|-------------|----------------------------|------|-------|---------|--------|--------|---------|-------|
| (FEET)     | S 10 | 9 11 | 82   | 4      | 8    | ≥ 2%  | 2 4   | ¥۱ ≥        | 7 1%                       | -    | AI    | *       | ٧٧ ٪   | ≥ 5/16 | 7       | ٥     |
| NO CEILING |      | 49.3 | 74.3 | 749.3  | 49.3 | 149.3 | 749.3 | 74.7        | 74.3                       | 49.3 | 49.3  | 74.7    | 74.7   | 749.3  | 74.7    | 49.3  |
| 00081 VI V |      | 74.7 | 74.7 | 74.7   | 74.7 | 74.7  | 74.7  | 74.7        | 74.7                       | 74.7 | 74.7  | 74.7    | 74.7   | 74.7   | 74.7    | 74.7  |
| 7 14000    |      | 78.2 | 75.2 | 75.3   | 75.3 | 75.3  | 75.3  | 75.3        | 75.3                       | 78.3 | 75.3  | 75.3    | 75.3   | 75.3   | 75.3    | 75.3  |
| 12000      |      | 78.0 | 78.0 | 78.0   | 78.0 | 78.0  | 78.0  | 78.0        | 78.0                       | 78.0 | 78.0  | 78.0    | 78.0   | 78.0   | 78.0    | 78.0  |
| V 10000    |      | 79.3 | 79.3 | 79.3   |      | 79.3  | 79.3  | 79.3        | 79.3                       | 79.3 | 79.3  | 79.3    | 79.3   | 79.3   | 79.3    | 79.3  |
|            |      | 80.0 | 30.0 | 80.0   | 80.0 |       | 80.0  | 80.0        | 80.0                       | 80.0 | 80.0  |         |        | 80.0   | 80.0    | 80.0  |
| 8000       |      | 82.0 | 82.0 | 82.0   |      | 2     |       | 82.0        |                            | 2    | 82.0  | 2       | 2      | 2      | 2.      | 82.0  |
| - 1        |      |      | 82.0 |        | 5.   |       | 82.0  |             |                            | 2    | 3     | 2.      | 5      |        | 82.0    |       |
| 0009       |      |      | 82.0 | 82.0   | 82.0 | 5     | 82.0  | 82.0        | 3                          | 82.0 | 85.0  | 2       | 2      | 2      | 85.0    | 82.0  |
| 1          |      |      | 82.0 | 82.0   |      |       |       | 82.0        | 3                          |      | 82.0  |         | 3      | 82.0   | 82.0    | 82.0  |
| V 4500     |      |      | 82.7 | 82.7   | 82.7 | 82.7  | 82.7  | 82.7        |                            | 82.7 | 82.7  | 2       | 82.7   | 2      | 82.7    | 82.7  |
| N 4000     |      | 84.0 | 84.0 | 84.0   |      |       |       | 0.48        |                            | ;    | 84.0  | 84.0    |        | 84.0   | 84.0    | 84.0  |
|            |      | 84.0 | 84.0 | 84.0   |      | 84.0  | 84.0  |             |                            |      | 84.0  |         |        |        | 84.0    | 84.0  |
| > 3000     |      | 65.3 | 85.3 |        |      |       |       | 85.3        | 85.3                       | 5    | 3     | 85.3    | 85.3   | 85.3   | 85.3    | 85.3  |
| > 2500     |      | 85.3 | 85.3 | 85.3   | 85.3 | 85.3  | 85.3  | 85.3        | 5                          | 85.3 | 85.3  | 85.3    | 85.3   | 85.3   | 85.3    | 85.3  |
|            |      | 86.7 | 86.7 | 86.7   |      | . 9   | 86.7  | 86.7        | 86.7                       | 86.7 | 86.7  | 86.7    |        | 86.7   | 86.7    | 86.7  |
| N 1800     |      | 88.0 | 88.0 | 88.0   | 88.0 | 88.0  | 88.0  | 88.0        | 88.0                       | 88.0 | 88.0  | 68.0    |        |        | 88.0    | 88.0  |
|            |      | 94.7 | 24.7 | 4.7    | 1.96 |       | 7.96  | 7.46        |                            | 94.7 | 1.46  |         | *      | 94.7   | 94.7    | 7.46  |
| 7 1200     |      | 97.3 | 97.3 | 0.86   |      | 98.0  | 98.0  | 0.86        |                            | 98.0 | 98.0  |         |        |        | 98.0    | 0.86  |
|            |      | 98.0 | 98.0 | 66.3   | 66.3 | 66.3  | 66.3  | 66.3        |                            | 66.3 | 66.3  |         | 6      | 86.3   | 86.3    | 99.3  |
| 8 41       |      | 98.0 | 0.86 | 86.66  | 66.3 |       | 8.66  | 8. M        |                            | 8.66 |       | 66.3    | 99.3   | 66.3   |         |       |
|            |      | 98.0 | 98.0 | 66.3   | 66.3 | 99.3  | 6.66  | 66          | 66.3                       | 66.3 | 66.3  | 86.3    | 0      | 66.3   | 66.3    | 66.3  |
| N 700      |      | 98.0 | 0.80 |        | 66.3 |       | 8.66  |             |                            |      | 66    |         |        |        |         | 66.3  |
| 000        |      | 98.0 | 0.86 | 80.66  | 66.3 | 66.3  | 6.66  | 99.3        | 66.3                       | 66.3 | 66.3  |         |        | 66.3   | 99.3    | 66.3  |
| 200        |      | 98.0 | 98.0 | 66.3   | 66.3 |       | 66.3  | 66.3        | 66.3                       | 66.3 | 66.3  |         |        |        |         | 66.3  |
|            |      | 98.0 | 0.86 | € . 66 | 66.3 | 86.3  | 66.3  | 86.66       | 66.3                       | 66.3 | 66.3  | 66.3    |        | 66.3   | 66.3    | 66.3  |
| 300        |      | 98.0 | 98.0 | 66.8   | 66.3 | 66.3  | 66.3  | 8.66        | 66.3                       | 8.66 | . 66  | m       | 0      | 86.3   | 6       | 66.3  |
|            |      | 96.0 | 98.0 | 66.3   | 66.3 | 66.3  | 99.31 | 100.01      | 100.00                     | 0000 | 100.0 | 100.001 | 100.00 | 100.0  | 10000   | 100.0 |
| 8          |      | 98.0 | 98.0 |        | 66.3 |       | 6.3   | 0           | 100.001                    | 0.00 | 0000  | 0000    | 0      | 100.0  | 100.0   | 0.001 |
| ^1         |      | 98.0 | 98.0 | 66.3   | 66.3 | 66.3  | 99.31 | 00.01       | 00.00                      | 0000 | 100.0 | 10000   | 0.001  | 10000  | 100.001 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

150

### CEILING VERSUS VISIBILITY

STATION NAME ACANA, GUAM

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

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83.3 83.3 83,3 83,3 ٨١ 86.0 87.3 87.3 87.3 88.0 83.3 84.7 81.3 84.7 88.7 88.7 88.7 94.0 94.0 86.7 86.7 ۸۱ 88.0 83.3 80.7 82.0 83.3 86.0 83.3 81.3 84.7 84.7 86.7 86.7 86.7 2 5/16 83.3 0.46 81.3 81.3 81.3 82.0 86.0 88.0 86.7 83.3 83.3 83.3 83.3 84.7 84.7 84.7 84.7 2 ٨١ 83.3 77.3 86.0 86.0 88.0 88.0 88.0 88.7 88.7 88.7 88.7 88.7 0.46 82.0 83.3 86.7 86.7 86.7 86.7 86.7 86.7 87.3 87.3 87.3 78.7 78.7 78.7 78.7 78.7 78.7 80.7 80.7 80.7 83.3 83.3 83.3 84.7 86.7 86.7 86.7 Al 83.3 0.46 82.0 83.3 ۶ ۱۸ 76.7 81.3 86.0 83.3 94.0 83.3 84.7 ٨١ VISIBILITY (STATUTE MILES) 83.3 83.3 82.0 81.3 83.3 83.3 84.7 88.0 88.0 0.46 0.46 71 83.3 81.3 83.3 84.7 84.7 7 0.46 83.3 81.3 83.3 83.3 88.0 84.7 7 83.3 83.3 88.7 0.46 80.7 81.3 81.3 83.3 7.86 7.98.7 98.7 2 2% 0.46 77.3 83.3 78.7 83.3 83.3 83.3 83.3 88.7 88.7 88.7 84.7 80.7 80.7 84.7 N Al 76.7 . 3 81.3 83.3 0.46 78.7 83.3 83.3 83.3 83.3 84.7 84.7 4 83.3 78.7 77.3 81.3 83.3 0.46 82.0 80.7 71 88.0 8.66 78.7 83.3 88.7 0.46 99.9 81.3 83.3 99.3 99.3 00.00 00.00 98.7 66.3 6.66 80.7 84.7 ۰ ۱۸ 2 NO CEILING (FEET) VI VI 00081 00081 ≥ 20000 Y 14000 8 8 8 8 2000 1800 1200 4500 3000 2000 80 8000 7000 88 88 88 88 AI AI ALAI ALAI AI AI ALAI ALAI ALAI ALA ALAI AIAI AI AI ALAI

TOTAL NUMBER OF OBSERVATIONS

150

### CEILING VERSUS VISIBILITY JAN 68 5703

CEILING VERSUS VISIBILITY 1 9 HOURS (1 S T .) PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) STATION NAME AGANA, GUAM

| CEILING   |   |         |      |      |       |       | VISI  | VISIBILITY (STATUTE MILES) | ATUTE MILE | (S)    |         |         |       |        |        |       |
|-----------|---|---------|------|------|-------|-------|-------|----------------------------|------------|--------|---------|---------|-------|--------|--------|-------|
| (FEET)    | 2 | ٥<br>٨١ | S    | 4    | e Al  | 2 2%  | 2 4   | ¥1                         | VI<br>%    | -      | ¥<br>Al | ∦<br>∧I | VI X  | ≥ 5/16 | AI N   | 0 11  |
| O CEILING |   |         | 58.  | 8    |       | 60    | 8     |                            | 8          | 8      |         |         | 8     | 8      | 58.    |       |
| ≥ 20000   |   |         | 80.  | 80.7 | 80.7  | 80.7  |       | 0                          | 80.7       | 80.7   | 0       | à       | 0     | 0      | 80.    | 80.7  |
| ≥ 18000   |   | 80.7    | 80.7 |      |       | 80.7  |       |                            | 80.7       | 80.7   | 80.7    | 80.7    | 80.7  | 80.7   | 00     | 80.7  |
|           |   |         | 80.  | 0    | 80.7  | 0     | à     | 0                          | 0          | 0      | 0       | 0       | 0     | 0      | 80.    | 80.7  |
|           |   |         | 82.  | 3    | 2.    |       | 5     | 82.0                       | 3.         | 2      | 82.0    | 82.0    | 82.0  | 82.0   |        | 82.0  |
| ≥ 12000   |   |         |      | 84.7 | 84.7  |       | 84.7  |                            | 84.7       | 84.7   | ;       |         | :     |        | 84.    | 84.7  |
| -         |   |         | 88.  |      |       | 8.    | 8.    | 8.                         |            |        |         | 88.7    |       |        | 88.    | 88.7  |
| 0006 AI   |   |         |      | 6    |       | 6     | 89.3  | 6                          | 9.         | 6      | 6       | 6       | 6     | 6      | 89.    | 89.3  |
| 1         |   |         |      | 7.06 | 7.06  | 90.7  |       | 90.7                       | 40.4       | 7.06   | 90.7    | 90.7    | 90.7  | 90.7   | 7.06   |       |
| 7000      |   |         |      | 0    |       | 0     | 7.06  | 0                          |            | 0      | 0       | 0       |       | .0     | 90.    |       |
| 1         |   |         |      | 0    |       | 0     |       | 0                          | 0          | 0      | 0       | 0       | 0     | 0      | 90.    | 40.1  |
| 2000      |   |         |      |      |       | 0     |       | 0                          |            | 40.4   | 0       | 0       |       | 0      | 90.    |       |
| 1         |   |         | -    | 1    |       | -     | :     | -                          | :          | -      | -       | -       | -     | :      | 91.    |       |
| 000       |   |         | 92.  | 2    | 92.0  | 2     |       | 2                          | 2          | 92.0   | 2       | 2       | 2     | 2      | 92.    | 92.0  |
| 1         |   |         | 92.  | 2    | 2     | 2.    | 2     | 2.                         | 2          | 2.     | 2.      | 2       |       | 2.     | 92.    | 92.7  |
| 3000      |   |         |      | 93.3 | 93.3  | 93.3  | 93.3  | 93.3                       | 93.3       |        | 93.3    | 3       |       |        | 93.3   | 93.3  |
|           |   |         | 93.  | 3    | -     |       | 3     |                            | 3.         |        | 3.      | 3.      | 3     | 3.     | 93.    | 93.3  |
| 7000      |   |         | 93.  | 3.   | 93.3  | 3     |       |                            | 3          | 93.3   |         |         |       |        | 0      | 93.3  |
|           |   |         | 93.  | 3    |       |       | 3     |                            | 3          |        |         |         | 3.    | 3      | 93.    | 93.3  |
| 1500      |   |         |      | 0.96 | 0.96  | 96.0  | 96.0  |                            | 96.0       | •      | •       |         | 0.96  | 96.0   | 0      | 0.96  |
| 1         |   |         | 98.  |      |       | 8     |       |                            |            |        | 8       |         | 8     | 8      | 98.    | 98.7  |
| 001       |   |         |      |      | 99.3  | 99.3  |       | 866                        | 99.3       | 66.3   | 99.3    |         | 6     | 6      | 0      | 99.3  |
|           |   |         |      | 6    | 6     |       | 6     |                            |            |        | 99.3    | 99.3    | 99.3  | 6      | .66    | 99.3  |
| 8         |   |         |      |      | 0     | 0     |       |                            | 100.01     | 0      | 100.0   |         | 100.0 |        | 100    | 100.0 |
|           |   |         |      |      |       | 100.0 | ò     | 0                          | 0          | 0      | 0       | 0       | 100.0 |        | 10000  | 100.0 |
| 8         |   |         |      | 66.3 | 0.0   |       | ò     |                            |            | 0      | 100.0   |         | 100.0 | 100.0  | 10000  |       |
|           |   |         |      | 66.3 | 100.0 | 100.0 | 100.0 | 100.0                      |            | 100.00 | 100.0   | 0       | 100.0 | 100.0  | 10000  | 100.0 |
| 84        |   |         |      | 66.3 | •     | 0     | 0     |                            | 100.001    | 0      |         | 100.0   | 100.0 | 100.0  | 10000  | 100.0 |
|           |   |         |      | 66.3 | 100.0 | 100.0 | 100.0 | 100.00                     | 100.001    | 100.0  | 100.0   |         | 100.0 | 100.0  | 10000  | 10000 |
| 70        |   |         |      | 66.3 | 100.0 | 100.0 | 100.0 | 100.0                      | 100.0      | 100.0  | 100.0   | 100.0   | 100.0 | 100.0  | 2      | 100.0 |
|           |   |         |      | 66.3 | 0.0   | 0     | 0.0   | 100.0                      | 0.0        | 0.0    |         | 10000   | 100.0 | 100.0  | 1100.0 | 100.0 |
| ٥         |   |         |      | 6.3  | 0.00  | 100.0 | 100.0 | 100.0                      | 0          | 0000   | 0       |         | 100.0 |        |        | 0     |

TOTAL NUMBER OF OBSERVATIONS

150

5703 CEILING VERSUS VISIBILITY JAN 68

4

150

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GLIAM

CEILING VERSUS VISIBILITY

APR

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| e a a      |   |         |       |       |       |         | VISI  | IBILITY (S | VISIBILITY (STATUTE MILES) | .ES)  |       |       |       |         |         |          |
|------------|---|---------|-------|-------|-------|---------|-------|------------|----------------------------|-------|-------|-------|-------|---------|---------|----------|
| (FEET)     | 2 | ٥<br>٨١ | \$ 1  | A1    | e VI  | > 2%    | 1 2   | YI 74      | ¥1 VI                      | - AI  | AI    | *     | Z AI  | ≥ 5/16  | AI AI   | ٨١       |
| NO CEILING |   | 68.7    | 68.7  | 68.7  |       | 80      | 8     | 68.7       | 8                          | 60    | 68.   | 0     | 8     |         | 8       |          |
| > 20000    |   | 86.0    | 86.0  | 86.0  | 86.0  | 86.0    | 86.0  | 86.0       | 86.0                       | 86.0  | 86.   |       | 86.0  | 86.0    | 86.0    | 86.0     |
| ≥ 18000    |   | 86.0    | 86.0  |       | ;     | .0      |       | 86.0       |                            | 86.0  |       |       |       | .0      | •       | COMPANY. |
| ≥ 16000    |   | 86.0    | 86.0  | 86.0  |       | .0      | 86.0  | 86.0       | 86.0                       | 86.   | 86.   | 8     | 86.0  | 9       |         | 86.0     |
| > 14000    |   | 86.7    |       | 86.7  |       | 86.7    |       | 86.7       |                            | 86.   | 86.   |       |       |         |         | 86.7     |
| ≥ 12000    |   | 88.0    |       | 88.0  | 88.0  | 88.0    | . 8   | 88.0       |                            |       | 88.   | 8     | 8     |         |         | 68.0     |
| V 10000    |   | 89.3    |       | 89.3  | 89.3  | 6       |       | 89.3       | 89.3                       | 89.3  |       | 89.3  | 89.3  | 6       | 6       | 89.3     |
| 0006 X     |   | 89.3    | 89.3  | 89.3  | 89.3  | •       | 6     |            |                            | .6    | 89.   |       | 6     |         |         | 89.3     |
|            |   | 90.7    | 40.4  | 7.06  | 7.06  |         | 7.06  | 90.7       | 1.06                       |       | 6     | 40.4  | 90.7  |         | 40.1    | 40.4     |
| > 7000     |   | 90.7    | 200   | 90.7  | 90.7  | 0       |       | 90.7       | 90.7                       | ò     | .06   |       |       | 0       |         |          |
|            |   | 90.7    | 40.1  | 40.7  |       |         | 4006  | 90.7       | 1.06                       |       | 0     | 406   | 40.7  |         | 7.06    | 400      |
| 2 5000     |   | 40.4    | 40.1  | 1.06  | 1.06  | 0       | 4006  |            |                            | 90.7  | 0     |       |       | 0       |         |          |
|            |   | 91.3    | 61.3  | 91.3  | 61.3  | 91.3    | 91.3  | 91.3       | 1 91.3                     | 91.3  | 0     | 91.3  | 91.3  | 91.3    | 91.3    | 91.3     |
| 4000       |   | 91.3    | 91.3  | 91.3  | 91.3  | 91.3    | 91.3  | 91.3       | 91.3                       | 91.3  | 0     | 91.3  | 91.3  | 91.3    |         | 91.3     |
|            |   | 92.7    | 92.7  | 92.7  | 92.7  | 92.7    | 92.7  | 92.        | 7.56                       | 92.7  |       | 92.7  | 92.7  | 92.7    | 92.7    | 92.7     |
| 3000       |   | 0.46    | 0.46  | 0.46  | 0.46  | 0.46    | 94.0  | 94.0       |                            | 94.0  | 0     | 94.0  | 0.46  | 0.46    | 0.46    | 0.46     |
|            |   | 94.7    | 1.46  | 94.7  | 24.7  | 94.7    | 94.7  | 94.        | 94.7                       | 94.7  | 1.46  | 94.7  | 4.7   | 94.7    | 4.1     | 94.7     |
| 2000       |   | 94.7    | 7.46  | 4.7   | 94.7  | 7.96    | 94.7  | 7.10       | 7.96                       | 94.7  | 94.7  | 94.7  | 94.7  | 94.7    | 7.46    | 94.7     |
|            |   | 94.7    | 4.7   | 1.46  | 4.7   | 94.7    | 94.7  | 94.7       |                            | 7.46  | 1.46  |       |       | 94.7    |         | 94.7     |
| > 1500     |   | 95.3    | 96.0  | 0.96  | 96.0  | 96.0    | 0.96  | 96.0       |                            | 96.0  | 0     | 96.0  | 96.0  | 96.0    | 0.96    | 0.96     |
| > 1200     |   | 98.7    | 66.3  | 66.3  | 66.3  | 66.3    | 66.3  | 99.3       | 1 99.3                     | 99.3  |       | 99.3  | 66.3  | 66.3    | 99.3    | 66.3     |
| 0001 ^1    |   | 98.7    |       | 86.66 | 86.3  |         |       | 99.3       |                            |       |       |       |       |         | 66.66   | 99.3     |
| 8<br>AI    |   | 7.86    | 86.66 | 86.3  | 99.3  | 99.3    | 66.3  | 99.        | 6.66                       |       |       | 99.3  | 99.3  | 99.3    | 99.3    | 86.3     |
|            |   | 98.7    |       | 86.66 | 66.3  |         | 66.3  | 99.3       |                            |       | 99.3  | 66.3  | 99.3  | 99.3    | 99.3    | 99.3     |
|            |   | 98.7    |       | 66.3  | 99.3  |         | 6.66  | 99.3       |                            | 99.3  | 66.3  | 66.3  | 66.3  |         | 66.3    | 6.66     |
| 009        |   | 98.7    |       | 99.3  | 99.3  | 86.66   | 99.3  | 99.3       | 99.3                       | 99.3  | 99.3  | 99.3  | 99.3  | 89.3    | 99.3    | 99.3     |
|            |   | 98.7    |       | 99.3  | 66.3  | 66.3    | 99.3  | 99.3       | 99.3                       | 66.3  | 66.3  |       | 99.3  | 66.3    | 99.3    | 99.3     |
| N 400      |   | 98.7    | 66.3  | 66.3  | 100.0 | 100.0   | 100.0 | 100.0      | 10                         | 100.0 | 100.0 | 100.0 | 100.0 | 100.001 | 100.00  | 00.00    |
|            |   | 98.7    |       | 66.3  | 100.0 | 100.0   | 10000 | 100.0      | 100.0                      | 100.0 | 10    | 10001 | 100.0 | 100.001 | 100.001 | 0000     |
| > 200      |   | 98.7    |       | 66.3  | 100.0 | 100.0   | 100.0 | 100.0      | 100.0                      | 100.0 | 100.0 | 100.0 | 100.0 | 100.01  | 100.001 | 00.00    |
| 8          |   | 7.86    | 66.3  | 99.3  | 100.0 | 100.001 | 100.0 | 100.0      | 100.0                      | 10000 | 100.0 | 10000 | 100.0 | 100.001 | 100.001 | 0000     |
| ٥          |   | 98.7    | 66.3  | 66.3  | 100.0 | 100.0   | 100.0 | 100.0      | 100.0                      | 100.0 | 100.0 | 100.0 | 100.0 | 100.00  | 100.001 | 00.00    |

0

NAVWEASERVCOM

0

HOURS (LST

APR

1200

TOTAL NUMBER OF OBSERVATIONS

**CEILING VERSUS VISIBILITY** 

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |   |       |      |      |      |      | NISIA. | DIFT. (21. | VISIBILITY (STATUTE MILES) | (c)    |         |       |       |        |         |       |
|------------|---|-------|------|------|------|------|--------|------------|----------------------------|--------|---------|-------|-------|--------|---------|-------|
| (FEET)     | 2 | NI NI | 2 2  | 1    | E A1 | > 2% | 1 N    | ¥1 Y1      | ¥1                         | 71     | ₹<br>Al | *     | Z AI  | ≥ 5/16 | AI AI   | ٨١    |
| NO CEILING |   |       | 58.  | 58.  | 150  | 58.8 | . 8    | 58.8       | 58.8                       | 58.8   |         |       | 58.8  |        | 8       | 58.8  |
| ≥ 20000    |   |       | 77.  | 77.  | 77.  | 77.1 | 77.1   |            | 77.1                       |        | 1       |       |       |        | 7.      |       |
| ≥ 18000    |   | 77.2  | 77.2 | 77.2 | 77.  | 77.2 | 77.2   | 77.2       | 77.2                       | 77.2   | 77.2    | 77.2  | 77.2  | 77.2   | 77.2    | 77.2  |
|            |   |       | 77.  | 77.  | 77.  |      | 77.3   |            | 77.3                       | •      | -       |       | -     | 77.3   | -       | 77.3  |
| > 14000    |   |       | 78.  | 78.  | 78.  |      |        |            |                            | 8.     | 8       | 8     |       | •      | 8       | 78.3  |
| Z 12000    |   | 80.1  | 80.  | 00   | 80.1 |      | 0      | 80.1       | 80.1                       | •      | 0       |       | 0     | 80.1   |         | 80.1  |
|            |   |       | 82.  | 82.  | 82.  | •    | 2.     | 2.         |                            | 2.     | 2.      |       | 2.    | •      | 2.      | 82.8  |
| 0006 AI    |   |       | 683  | 83.  | 83.  |      |        |            | 83.6                       | 83.6   |         |       | 3     | 3.     | 3       | 83.6  |
| 1          |   |       | 84.  | 84.  | 84.  |      |        |            |                            |        |         |       |       | •      | 84.5    |       |
| 7000       |   |       | 84.  | 84.  | 84.  | 4    | 84.6   |            | 84.6                       |        | ;       |       | ;     | *      |         | 84.6  |
|            |   |       | 84.  | 84.  | 84.  | 4    | 3      | *          | ;                          |        | ;       |       |       | 4      | :       | 84.6  |
| 2000       |   |       | 85.  | 85.  | 85.  | 85.2 |        |            | 85.2                       |        | 3       | 85.2  | 3     |        | 3       | 85.2  |
|            |   |       |      |      |      |      |        |            | 85.9                       | *      | 3       | 3     |       | 85.9   | 85.9    |       |
| 900        |   |       | 87.  | 87.  | 87.  |      |        |            | -                          | 87.1   | -       |       | 2     |        | -       | 87.1  |
|            |   |       | 88   | 88.  | 88.  | •    |        |            | 8                          | 8      | 8       |       |       |        | 8       |       |
| 3000       |   |       | 89.  | 8    |      | 6    | 6      |            | 6                          |        | 6       | 6     | 6     |        | 89.1    | 89.1  |
| > 2500     |   | 89.5  |      | 89.  | .68  | 86.8 | •      | 89.5       | 89.5                       | 89.5   | 89.5    | 89.5  | 89.5  | 89.5   | 89.5    | 89.5  |
| > 2000     |   |       | 89.  | 89.  | 39.  |      |        |            |                            |        | 6       | 6     |       |        | 6       | 89.9  |
|            |   |       | 90.  | .06  |      | 90.3 | 90.3   | 0          | 90.3                       | 3020   | 90.3    | 800   | .0    | 90.3   | 90.3    | 90.3  |
| > 1500     |   |       | . 76 | 94.  |      |      |        |            | 4.46                       | 94.46  | +       |       |       |        |         | 94.46 |
|            |   | 97.3  |      | 6.70 | 98.  | 98.1 | 98.1   |            | *                          | 98.2   |         |       | 98.2  | 98.2   | 98.2    | 98.2  |
| 2 1000     |   |       | 98.  | .66  |      |      | 99.2   | 99.2       | 6                          | 1.000  |         | 6     | 6     |        | 99.3    | 99.3  |
| 9%<br>Al   |   | 98.1  | 98.6 | 66   | .66  | 2.66 |        | 6          | 99.2                       | 8.66   | 99.3    | 66.3  | 66.3  | 66.3   | € 66    | 99.3  |
|            |   |       | 98.  | 0    | .66  |      |        |            |                            |        |         | 4.66  |       | 99.5   | 99.5    | 99.5  |
|            |   | 98.2  |      | 99.1 | 66.3 | 66.3 | 99.3   | 99.3       | 99.3                       | 4.66   | 4.66    | 4.66  | 99.5  |        |         | 99.5  |
| 009 1      |   |       |      | 99.1 | 99.3 |      | 99.3   | 99.3       |                            | 100000 | 4.66    | 4.66  | 99.5  | 99.5   | 8.66    | 99.5  |
| 88         |   |       |      | 1.66 | 99.3 |      | 86.66  | €.66       | 99.3                       | 4.66   | 6       | 4.66  |       |        | 99.5    | 99.5  |
| N 400      |   |       |      | 99.1 | 4.66 |      | 6      | 4.66       | 4.66                       | 99.5   |         |       | 6     | 96.6   | 99.66   | 99.66 |
| 300        |   | 98.2  |      |      |      | 66.5 |        |            | 9.66                       |        | 7.66    |       | 8.66  |        | 8.66    | 99.8  |
|            |   |       |      | 99.2 | 9.66 | 6    | 6      | •          | •                          | 8.66   | 6       | 6     | 6     | 6.66   | 6.66    | 66.6  |
| VI<br>05   |   |       |      | 99.2 | 9.66 | 6    | 8.66   |            | 8.66                       | 6.66   |         |       | 0     | 0      | 10000   | 1000  |
|            |   | 98.2  | 98.8 | 99.5 | •    | 96.6 |        | 99.8       | •                          | 6.66   | 6       | 66.66 | 100.0 | 100.0  | 100 • 0 | 000   |

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AI AI

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# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS) STATION NAME

AGANA, GUAM

VISIBILITY (STATUTE MILES)

Al

(FEET)

NO CEILING

≥ 20000

VI VI 00091 0000

14000

AI AI

000 000 000

AI AI

AI AI

900

ALAI

0

HOURS (1 S.T.)

MAN

EXE

AI

84.5 74.2 81.9 84.5 84.5 84.5 85.2 88.4 75.5 84.5 84.5 72.3 88.4 81.3 81.3 81.3 81.3 81.3 81.3 87.1 88.4 92.3 4.66 4.66 96.1 ۸۱ 74.2 81.9 88.4 84.5 4.66 84.5 61.3 84.5 84.5 84.5 84.5 84.5 84.5 84.5 85.2 87.1 88.4 88.4 92.3 1.96 4.66 2 5/16 84.5 85.2 88.4 4.88 4.66 72.3 88.4 81.9 84.5 4.66 84.5 84.5 84.5 84.5 87.1 92.3 1.96 2 Al 85.2 84.5 88.4 81.9 88.4 84.5 84.5 84.5 88.4 88.4 88.4 92.3 1.96 84.5 84.5 87.1 ۸۱ 84.5 4 4 . 6 8 84.5 85.2 87.1 4.66 4.66 92.3 1.96 AI 84.9 4.66 84.5 84.5 85.2 88.4 88.4 88.4 4.68.4 88.4 92.3 84.5 4.66 61.3 84.5 87.1 4.66 96.1 Al 84.5 84.5 85.2 88.4 88.4 92.3 4.66 87.1 % ۸۱ 85.2 85.2 84.5 84.5 84.5 88.4 92.3 84.5 61.3 84.5 84.5 ۸۱ 74.2 84.5 75.5 84.5 88.4 84.5 84.5 88.4 92.3 81.3 81.9 87.1 4.66 7 74.2 84.5 84.3 85.2 4.88 84.5 4.66 92.3 4.66 96.1 2% ۸۱ 4.88.4.88 84.5 84.5 84.5 88.4 61.3 84.5 84.5 84.5 84.5 87.1 M 95.5 84.5 85.2 85.2 87.1 88.4 84.5 84.5 92.3 98.7 98.7 AI 84.5 88.4 95.5 81.9 84.5 84.5 84.5 84.5 84.5 88.4 4.88 98.1 92.3 1.86 1.86 87.1 AI 88.4 88.4 91.6 84.5 84.5 84.5 85.2 84.5 84.5 84.5 88.4 8.96 72.3 81.9 8.96 8.96 81.3 87.1 96.8 AI 2

4500 400 600

AI AI

3000

AI AI

0

2000

AI AI

6

90 1500

AI AI

TOTAL NUMBER OF OBSERVATIONS

.66

155

HOURS (1 S T.)

MAM

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) STATION NAME

AGANA, GUAM

| CEILING    |   |         |         |      |      |      | VISI  | IBILITY (ST. | VISIBILITY (STATUTE MILES) | ES)     |         |          |       |        |       |       |
|------------|---|---------|---------|------|------|------|-------|--------------|----------------------------|---------|---------|----------|-------|--------|-------|-------|
| (FEET)     | 5 | ٥<br>٨١ | %<br>Al | AI   | e vi | ≥ 2% | 1 A   | Y1 72        | ¥1                         | <u></u> | ≱<br>∧i | a#<br>∧I | X AI  | ≥ 5/16 | × Al  | 0 11  |
| NO CEILING |   | 66.5    |         | 66.  | .99  | .0   |       |              |                            |         |         |          | 66.5  |        | 99    | 66.5  |
| ≥ 20000    |   | 72.9    | 72.9    | 72.  | 72.  | •    | •     | -            | 2                          | 72.9    | 2.      | 2.       | 72.9  | 2.     | 72.   | 72.9  |
|            |   | 72.9    |         |      | 1    | 72.9 | 72.9  |              | 72.9                       |         | 72.9    | 72.9     | 72.9  | 72.9   | -     | 72.9  |
| N 16000    |   |         |         | 72.  | 72.  |      | 72.9  | 72.9         | 2.                         | 72.9    | 2.      | 2.       | 72.9  | 2.     | 72.   | 72.9  |
| > 14000    |   | 73.6    | 3       | 73.  | 73.  |      | 73.6  | 73.6         |                            |         | 3.      | 3.       | 73.6  | •      | 73.   | 73.6  |
| 12000      |   | 78.5    | 75.5    | 75.  | 75.  | 75.5 | 75.5  |              | 75.5                       | 75.5    | 75.5    | 3        | 75.5  | 75.5   | 75.   | 75.5  |
|            |   | 81.3    | 1:      | 81.  | 81.  | -    | :     | -            | -                          | :       | -       | :        | :     | -      | 81.   |       |
| 000        |   | 81.9    |         | 8    | 81.  | 81.9 | 81.9  | 81.9         | 81.9                       | :       | -       | -        | 81.9  |        | 81.   | 81.9  |
|            |   | :       | 84.5    | 84.  | 84.  | *    | 84.5  | :            |                            |         | 84.5    |          | 84.5  | *      | 84.   | 84.5  |
| 7000       |   | :       |         | 84   | 84.  | *    | :     |              |                            |         | ;       | ;        | ;     | ;      | 84.   | 84.5  |
|            |   | :       |         | . 78 | 84.  |      | :     |              | ;                          | ;       | *       | :        | :     | ;      | 84.   |       |
| 200        |   | 84.5    |         | 8    | 84.  |      |       |              |                            | ;       | ;       | ;        | ;     | 84.5   | 84.   | 84.5  |
|            |   | :       |         | 84.  | 84.  | 4    | :     | :            | *                          | ;       | ;       | :        | ;     | ;      | 84.   | 84.5  |
| 004        |   | 3       |         | 85.  | 85.  |      | 5     | 85.2         | 3                          |         | 5       |          | 3     | 3      | 85.   | 85.2  |
|            |   |         | 86.5    | 86.  | 80   | 86.5 |       |              | 86.5                       | 86.5    | 86.5    | 86.5     | 86.5  | 86.5   | 80    | 86.5  |
| 3000       |   |         |         | 87.  | 87.  | -    | 87.7  |              | -                          | -       | -       | 1        | 1.    | 1:     | 87.   | 87.7  |
|            |   | 89.0    |         | 89.  | 89.  |      | 6     | 89.0         | 6                          |         | 6       | 89.0     | 6     | •      | 89.   | 89.0  |
| > 2000     |   |         |         | 8    | 89.  | 89.7 |       | 0            | 89.7                       | 89.7    | 0       | 0        | 6     |        | 89.   | 89.7  |
|            |   |         |         | 90.  | .06  | 0    | 0     | 0            | 0                          | 0       | 0       | 0        | 0     | 0      | 90    | €.06  |
| > 1500     |   |         |         | 93.  | 93.  | 3.   |       | 3            | 3                          | 3.      |         | 93.6     |       | 3.     | 93.   | 93.6  |
| 1200       |   | 95.5    |         | 95.5 | 3.   | 95.5 |       | 95.5         | 5                          | 95.5    | 95.5    | 95.5     |       |        | 95.5  | 95.5  |
| > 1000     |   | 97.4    |         | 6    | 4.66 | 0    | 6     | 0            |                            | 6       |         | 0        | 6     |        | 6     | 4.66  |
|            |   | 97.4    |         | •    | 6    | 4.66 | 4.66  | 4.66         | 4.66                       |         |         | 4.66     |       |        | 99.6  | 4.66  |
| 800        |   | 97.4    |         | 0    | 4.66 |      | 4.66  |              | 6                          | 4.66    |         | 0        |       | 99.4   |       | 4.66  |
|            |   | 97.4    | 98.1    | 0    | 4.66 | 4.66 | 4.66  | 4.66         | 4.66                       | 4.66    | 4.66    | 4.66     | 4.66  |        | 4.66  | 4.66  |
| 9          |   | 97.4    |         | 0    | 4.66 |      | 4.66  |              | 4.66                       | 4.66    |         |          | 6     | 4.66   |       | 4.66  |
| 800        |   | 97.4    |         | •    | 4.66 | 4.66 | 4.66  | 4.66         | 4.66                       | 4.66    | 4.66    | 4.66     | 4.66  | 4.66   | 40.66 | 4.66  |
| 1 400      |   | 97.4    | 98.1    | •    | 4.66 |      | 4.66  | 4.66         |                            | 4.66    | 4.66    | 4.66     |       | 4.66   |       | 4.66  |
|            |   | 97.4    |         | 98.1 | 4.66 |      | 4.66  |              | 4.66                       | 4.66    |         | 4.66     |       | 4.66   |       | 4.66  |
| 200        |   | 97.4    | 98.1    |      | 4.66 | 4.66 | 4.66  | 4.66         |                            | 4.66    | 4.66    | 4.66     | 4.66  | 4.66   | 4.66  | 4.66  |
| 8          |   | 97.4    | 98.1    | 98.1 |      |      | 4.66  | 00.00        | 100.001                    | 100.001 | 100.0   | 0000     | 0     | 100.0  | 10000 | 0.001 |
| 1          |   | 97.4    | 98.1    | 98.1 | 4.66 | 90.4 | 90.66 | 100.0        | 100.00                     | 100.0   | 100.0   | 100.0    | 100.0 | 100.0  | 100.0 | 0000  |

TOTAL NUMBER OF OBSERVATIONS

155

HOURS (LST.)

MAN

### ....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GUAM

**CEILING VERSUS VISIBILITY** 

| CEILING    |         |         |      |      |      |       | VISI    | IBILITY (ST | VISIBILITY (STATUTE MILES | ES)  |         |         |      |        |         |       |
|------------|---------|---------|------|------|------|-------|---------|-------------|---------------------------|------|---------|---------|------|--------|---------|-------|
| (FEET)     | VI<br>5 | 9<br>AI | 8 41 | AI   | e VI | 17 2% | N<br>Al | YI 74       | ¥1 YI                     | Ā    | ≱<br>Al | ₽<br>Al | N N  | ≥ 5/16 | AI      | ٨١    |
| NO CEILING |         | 61.3    | 010  |      | 61.  | 1:    |         | 1:          |                           | 1:   | -       | 1.      |      | 1:     |         | 1     |
| ≥ 20000    |         | 72.3    | 72.  | 2    | 72.  | 2.    | •       | 2.          |                           | 2.   |         | 2.      |      | 2.     |         | 2.    |
| N 18000    |         | 72.3    | 72.  | 3    | 720  | 2.    |         | 2.          |                           | 2.   | 2.      | 2.      |      | 2.     |         | 2.    |
| 00091      |         | 72.3    | 72.  | 72.3 | 72.  | 2     |         | 2           |                           | 2    |         | 2       |      | 2      |         | 3     |
| 7 14000    |         | 74.8    | 74.8 |      | 74.  | *     |         | :           |                           |      |         | :       |      | *      | 74.8    | 74.8  |
| ≥ 12000    |         | 76.8    | 16.  | 76.8 | 76.  |       |         |             |                           | •    |         | •       |      |        |         |       |
|            |         | 82.6    | 82.  |      | 82.  | 2     | 2.      | 2           | 2                         | 2.   | 2.      | 2.      | 2    | 2.     | 2       |       |
| N 9000     |         | 85.2    |      | 3    | 85.  | 3.    | 3       | 3.          | 5                         | 3    | 2       | 2       | 3    | 3      | 5       | 85.2  |
|            |         | 87.1    | 87.  | 87.1 | 87.  | 7     |         | 7.          |                           | 7.   |         | -       |      | -      |         | 87.1  |
| 7000       |         | 87.1    |      | :    | 87.  | -     | ÷       | -           | -                         | -    | -       | -       | -    | 7      | -       | 87.1  |
| 1          |         | 87.1    | 87.  | -    | 87.  |       | -       | -           | -                         |      | 7       | :       | -    | -      | -       | 87.1  |
| 2000       |         | 89.0    | 89.  | 89.0 |      | 6     | 6       | 6           | 6                         |      |         |         |      | 6      |         | 89.0  |
|            |         | 89.0    | 89.0 |      | _    | 0.68  | 89.0    | 89.0        | 89.0                      | 89.0 | 89.0    | 89.0    | 89.0 | 89.0   | 89.0    | 89.0  |
| 4000       |         | 89.0    | 89.  |      | 89.  | .6    |         | 6           | 6                         | 6    | 6       | 6       |      | 6      | 6       | 89.0  |
|            |         | 90.3    | 90   | 0    | 06   |       | 0       | 0           | 0                         | 0    | 0       | 0       | 0    | 0      | 0       | 90.3  |
| > 3000     |         | 94.2    | . 46 |      | 94.  |       | *       |             |                           | •    | *       | ;       |      | *      | ;       | 94.2  |
|            |         | 2.46    | 94.  |      | . 46 |       | *       |             | *                         | *    | *       | . 4     |      |        |         |       |
| > 2000     |         | 94.2    | .*6  | 94.2 | 94.  |       | 94.2    |             | •                         | ;    |         | ;       |      | ;      |         | 94.2  |
|            |         | 94.2    | 96   | ;    | . 96 | ;     |         |             | *                         | *    | *       |         |      |        | ;       |       |
| 1500       |         | 94.8    | 94.  | ;    | 94.  | *     | ;       |             | *                         | *    | +       | ;       | *    |        | *       | ;     |
|            |         | 96.1    | 96   | .0   | 96   | .0    | .0      |             | .0                        |      |         | .9      | .0   | .0     |         | 96.8  |
| V 1000     |         | 97.4    | 98   |      | 98.  |       | 00      | 8           | 8                         |      | 8       |         | 8    |        |         | 98.7  |
|            |         | 97.4    | 98.  |      | 98.1 | 8     |         |             |                           | *    | 8       | 8       |      |        |         | 98.7  |
| 800        |         | 97.4    | 98.1 | 98.1 |      |       | 8       | 8           | 8                         |      | 8       |         |      | •      |         | 98.7  |
|            |         | 97.4    |      | 1.86 | 1.86 | 98.1  |         | 8           |                           |      |         |         | 8    | 8      |         | 98.7  |
| 8          |         | 97.4    | 98.1 |      | 98.1 | 98.1  |         | 8           |                           | 8    | 8       | 98.7    | 98.7 |        |         | 98.7  |
|            |         | 97.4    |      | 98.1 | 1.86 | 98.1  | 98.7    | 4.66        | 4.66                      | 6    |         | 4.66    | 4.66 | 4.66   | 4.66    | 4.66  |
| × 400      |         | 97.4    |      | 98.1 |      | 98.1  |         |             | 4.66                      |      |         | 4.66    | 4.66 |        |         | 4.66  |
| 300        |         | 97.4    | 98.1 | 98.1 | 98.1 | 98.1  | 98.7    | 4.66        | 4.66                      | 4.66 | 4.66    | 90.66   | 000  | 100.0  | 100.001 | 0.001 |

TOTAL NUMBER OF OBSERVATIONS

155

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99.4100.0100.0100.0100.0

4.66 4.66

4.66 4.00

4.66

4.66 4.66

4.66 4.66 66

7.86 7.86

98.1 98.1

98.1 98.1

98.1 98.1

1.86

80

AIAI

98.1

97.4 97.4 46

88

AI AI

-

200

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE STATION NAME

AGANA, GUAM

(FROM HOURLY OBSERVATIONS)

CEILING VERSUS VISIBILITY

٨I 87.1 83.2 85.2 85.8 87.1 89.0 76.8 89.0 72.9 86.5 90.3 92.9 74.8 90.3 8006 7.86 7.86 98.7 98.7 7.86 98.7 98.7 87.1 83.2 87.1 87.7 1.96 85.2 85.8 0.68 90.3 800.3 800 92.9 98.7 98.7 89.0 87.1 98.7 87.1 98.7 98.7 85.8 8.06 83.2 87.1 8006 89.0 89.0 98.7 85.2 87.1 92.9 1006 74.8 76.8 1.18 90.3 98.7 98.7 7.8 87.1 98.7 98.7 AI 86.5 89.0 89.0 92.9 7.86 85.8 87.7 7.86 800 1.96 87.1 90.3 7.86 87.1 87.1 AI 80.3 83.2 92.9 87.1 89.0 7.86 86.5 89.0 90.3 87.1 98.7 87.1 89.0 85.8 87.1 87.7 8.06 80.3 6.26 8003 1.96 98.7 98.7 98.7 AI VISIBILITY (STATUTE MILES) 80.3 89.0 89.0 60.3 90.3 92.9 1.96 7.86 87.1 €.06 89.0 8.06 7.86 86.5 87.1 87.7 8.06 1.96 87.1 83.2 8006 87.1 89.0 87.7 89.0 90.3 8.06 96.1 98.7 98.7 7.86 7.86 87.1 0.68 83.2 90.3 1.96 87.1 87.1 90.3 98.7 98.7 7.86 AI €.06 87.1 85.8 87.1 89.0 89.0 600 83.2 8.06 76.8 86.5 7.86 1.96 87.1 7.86 98.7 ٨١ 89.0 7.86 85.8 86.5 87.1 89.0 80.3 80°3 8·06 6.26 98.7 7.86 4.86 87.1 87.1 1.96 7.86 98.7 AI 83.2 72.9 89.0 6.06 7.86 89.0 E.06 76.8 86.5 87.1 87.1 87.1 87.7 90.3 92.9 7.86 7.86 98.7 89.0 97.4 87.1 87.1 8.06 89.0 90.3 80.3 92.9 96.1 87.1 AI 2 NO CEILING > 20000 80 (FEET) 16000 12000 2000 900 900 88 88 88 88 9000 4500 4000 3000 1800 800 7000

11 11

AI AI

ALAI

AI AI

AI AI

AI AI

AI AI

AI AI

TOTAL NUMBER OF OBSERVATIONS

155

I

NAVWEASERVCOM

AI AI

= 1

5703 CEILING VERSUS VISIBILITY JAN 68

| ERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|-----------------------------------|----------------------------|

| CEILING    |   |      | -    | -    | -       | 1    |      |         | -    |         | -       | -       | -       | -  | -       |      |
|------------|---|------|------|------|---------|------|------|---------|------|---------|---------|---------|---------|--|---------|------|
| (FEET)     | 5 | ۸I   | N N  | AI   | N<br>Al | Y 2% | 7    | VI<br>E | 7    | -<br>AI | #<br>Al | #<br>Al | Z<br>Al | 2 5/16   | M<br>Al | AI O |
| NO CEILING |   | 47.7 | 47.7 | 47.7 | 47.7    | 47.7 | 47.7 | 47.7    | 47.7 | 47.7    | 47.7    | 47.7    | 47.7    | 47.7   | 47.7    | 47.  |
| > 18000    |   | 67.1 | 4.   | 67.  | 67.     | 1    | 1    | 29      |      | -       | 67      |         | 1       | 1  | 1       | 6.7  |
| > 16000    |   | 67.7 |      |      | 67.7    | 67.7 |      | 67.7    |      |         | 67.     |         | 67.7    | 67.7   | 67.7    | 67.  |
| ≥ 14000    |   | 69.7 |      | 69.7 | 6       | .69  | 6    | 69      |      |         | 69      |         |         | .6   | 6       | 69   |
|            |   | 73.6 |      |      | 73.6    | 73.  |      | 73.     | -    | 3       | 73.     |         | 3.      | 3.   | 3       | 73.  |
| N 10000    |   | 76.1 |      |      |         | 76.  | .9   | 76.     |      | 9       | 76.     |         | . 9     | 76.1   |         | 76.  |
| m.         |   | 77.4 |      |      |         | 77.  |      | 77.     | 7    | 7       | 77.     |         | 7.      | 1.   |         | 77.  |
|            |   |      |      | 8    | 8       | 78.  | 8    | 78.     |      |         | 78.     |         |         | 78.7   | 8       | 78.  |
| 7000       |   | 78.7 |      | 78   | 8       | 78.  | 8    | 78.     |      | *       | 78.     |         | 8       | 8  |         | 78.  |
|            |   | 78.7 |      | 78.  |         | 78.  | 8    | 78.     | 8    | *       | 78.     |         | 30      | 8  | 8       | 78.  |
| 2000       |   |      |      | 90   | 0       | 80.  | ò    | 80.     | 0    | ò       | 80.     |         | 0       | 0  | 0       | 80.  |
|            |   | 80.0 | 80.0 | 80.  | 0       | 90.  | 0    | 80.     | 0    | 0       | 80.     |         | 0       | 0  | 0       | 80.  |
| A 4000     |   | 80.0 |      | 80.  | •       | 80.  | ò    | 80.     | 0    | 0       | 80.     |         | 0       | 0  | 0       | 80.  |
|            |   | 81.3 |      | 81.  | -       | 81.  | -    | 81.     | -    | -       | 81.     |         | -       | -  | -       |      |
| 3000       |   | -    | -    | 8    | -       | 81.  | -    | 81.     | -    | -       | 81.     |         | -       | -  | =       | 81.  |
| > 2500     |   | 81.3 | 81.3 | 81.3 | 81.3    | 81   | 81.3 | 81.     | 81.3 | -       | 81.     |         | 81.3    | -  | 81.3    | 81.  |
| N 2000     |   | 2    | •    | 82.  | 2       | 82.  | 2    | 82.     | 2    | 2       | 82.     |         | 2       | 2  | 2       | 82.  |
|            |   | 3    |      | 85   | 5       | 85.  | 5    | 85.     | 3    | 3       | 85.     |         | 5       | 5  | 5       |      |
| > 1500     |   | :    | =    | 9    | -       | 91.  | -    | 91.     | -    | -       | 91.     |         | -       | -  | -       | 91.  |
|            |   |      |      | 96   |         | 96.  |      | 96      |      |         | 96      |         |         | 0  |         | 96   |
| V 1000     |   | 96.8 | •    | 96   | ;       | 96   |      | 96      |      |         | 96      |         |         |  |         | 96   |
|            |   |      | 96.8 | 96   |         | 96   |      | 96      |      |         | 96      | 96.8    |         | 96.8   |         |      |
| 8<br>Al    |   | 97.4 |      | 97.  | -       | 97.  | -    | 97.     | -    | -       | 97.     | 4.16    | -       | -  | -       | 97.  |
|            |   | 97.4 |      | 98.  | 98.1    |      |      | 0       | 98.1 |         |         | 1.86    |         | 98.1   |         | 98.  |
| 8          |   | 98.1 |      | 0    |         |      |      | 0       |      |         |         |         | 6       | 4.66   |         | 99.  |
|            |   | 98.1 |      | 0    | 4.66    |      |      | 0       |      |         |         | 4.66    | 4.66    | 4.66   | 4.66    | 99.  |
| 84 41      |   | 98.1 | •    | 0    |         |      |      | 0       |      |         | 6       | 4.66    |         | 4.66   |         | 66   |
|            |   | 1.86 | 1.86 | -30  | 4.66    |      | 4.66 | 0       |      | 4.66    |         | 4.66    |         | 4.66   | 4.66    | 66   |
| > 200      |   | 98.1 | •    | 0    | 4.66    |      |      | 0       |      |         |         |         |         | 4.66   | 4.66    | 66   |
| 80 41      |   | 98.1 | 1.86 |      | 4.66    | 4.66 | 4.66 |         | 4.66 |         |         | 4.66    | 4.66    | 4.66   | 4.66    |      |
|            |   | -    |      |      |         |      |      |         |      |         |         |         |         | A COUNTY OF THE PARTY OF THE PA |         |      |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

AGANA, GUAM

(0)

## **CEILING VERSUS VISIBILITY**

HOURS (15 T

MAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |      |         |      |       |      |      | VISI | IBILITY (ST. | VISIBILITY (STATUTE MILES | (\$3 |         |       |       |        |       |       |
|------------|------|---------|------|-------|------|------|------|--------------|---------------------------|------|---------|-------|-------|--------|-------|-------|
| (FEET)     | 5 71 | o<br>Al | 80   | **    | E AI | 2 2% | 1 A  | VI<br>Ä      | ¥1                        | -    | ≱<br>∧I | *     | Z AI  | ≥ 5/16 | AI AI | ٨١    |
| NO CEILING |      |         | 51.  | 51.0  | 51.0 | 51.0 | 51.0 |              | 51.0                      | 51.0 | 51.0    | 51.0  | 51.0  | 51.    | 51.   | 51.0  |
| 1 20000    |      |         | 73.  | =     | 3    | =    | 73.6 |              | 73.6                      | 4    | 3.      | 3.    | 3     | 73.    | 73.   | 27    |
| N 18000    |      | 74.2    | 74.  | 74.2  | 74.2 | 74.2 | 74.2 | 74.2         | 74.2                      | 74.2 | 74.2    | 74.2  |       | 74.2   |       | 74.2  |
|            |      | 74.8    | 74.  |       | 74.8 |      | 74.8 | •            | 74.8                      | •    | 74.8    | :     |       | 74.    | 74.   |       |
| 2 14000    |      | 76.8    | 76.  | 76.8  |      | 76.8 | 76.8 | 76.8         | 76.8                      | 76.8 |         | 76.8  | ;     | 76.    | 76.   | 76.8  |
| > 12000    |      | 77.4    | 77.  | 77.4  | 77.4 | 77.4 | 77.4 |              | 1                         | 77.4 | 77.4    |       | 1     | -      | 77.4  | 77.4  |
|            |      |         |      | 2     | 2.   | 2.   |      | 2            | 2.                        | 2.   | 2.      | 2.    | 2.    | 82.    | 82.   |       |
| 0006 AI    |      | 83.2    | •    | 83.2  | 83.2 |      |      |              |                           |      |         |       | 3     | 83.    | 83.   | 83.2  |
|            |      |         |      |       | ;    | 4    | 3    | :            |                           | 4    |         | *     | *     | 84.    | 84.   |       |
| 7000       |      |         |      | 84.5  | 84.5 | 84.5 | 84.5 | 84.5         | 84.5                      | 84.5 |         | ;     | ;     |        | 84.   | 84.5  |
|            |      | 3       |      | 3     | 3    | 5    |      | 3            | 3                         | 3.   | 3       | 3     |       | 85.    | 85.   |       |
| 9000       |      | 85.8    |      |       | 85.8 | 85.8 |      | 85.8         |                           | 85.8 | 5       | 85.8  | 3     | 85.    | 85.   | 85.8  |
|            |      | 85.8    | 85.8 | 80    |      |      | 85.8 | 3            | 80.00                     |      | 85.8    |       | 85.8  |        | 85.8  |       |
| 4000       |      |         | :    |       | 86.5 |      |      | 86.3         |                           | 86.5 |         | ;     |       | 86.    | 86.   | 86.   |
|            |      | 87.1    |      | 87.1  | -    | 87.1 | :    | 7            | -                         | 7.   | 7.      | 7     |       | 87.    | 87.   | 87.   |
| 3000       |      | -       | 87.1 | 87.1  | 87.1 |      | 87.1 | 87.1         | 1.                        | 87.1 | 7       |       | -     |        | 87.1  |       |
|            |      | -       | 87.7 | 87.7  | 87.7 | 87.7 | 87.7 | 87.7         | 7                         | -    | 7.      | 87.7  | 87.7  | 30     | 87.7  | 87.7  |
| > 2000     |      | 87.7    | 87.7 | 87.7  |      |      | 87.7 | 87.7         | 87.7                      | 87.7 | -       |       | -     |        | 87.7  | 87.7  |
|            |      | 88.4    | 88.4 | 4.88  | 4.88 | 68.4 |      |              | 8                         |      |         | \$8.4 |       | 88.4   | 88.4  | 88.4  |
| 1500       |      | 31.6    | 92.3 |       | 92.3 | 92.3 | 92.3 | 92.3         |                           | 92.3 | 92.3    | 92.3  |       | 92.3   | 92.3  | 92.3  |
|            |      | 94.2    | 95.5 | 95.5  | 95.5 | 95.5 | 95.5 | 95.5         |                           |      | 95.5    | 95.5  | 3     | 95.5   | 0     | 95.   |
| VI<br>0001 |      |         | 97.4 |       | 4.76 |      | -    | -            |                           | 97.4 |         | 97.4  |       | 97.4   |       | 97.4  |
|            |      |         | 97.4 |       | 7.   | 97.4 | 97.4 | 97.4         | 2                         |      | 97.4    | -     | 7.    |        |       |       |
| 08<br>AI   |      |         | 4.76 |       | 98.1 |      |      |              | 98.1                      | 98.1 |         | 98.1  |       | 98.1   | 98.1  | 98.   |
|            |      |         | 97.4 | 98.1  |      | 98.1 |      | 00           | 8                         |      |         | 00    | 8     | 98.1   | 98.1  | 98.   |
| 8          |      | 95.5    | 4.16 | 98.1  | 98.1 | 98.1 | 98.1 | 98.1         | 98.1                      | 98.1 | 98.7    | 98.7  |       |        | 98.7  | 98.   |
|            |      | 95.5    | 97.4 | 98.1  | 98.1 | 98.1 | 98.1 |              |                           |      | 98.7    | 8     |       |        | 98.7  |       |
| N 400      |      | 95.5    | 98.1 | 7.86  |      | 98.7 |      | 98.7         | 98.7                      | 98.7 |         |       | 6     | 4.66   | 4.66  | 99.   |
|            |      | 95.5    | 98.1 | 98.7  | 98.7 | 98.7 | 98.7 |              |                           |      | 4.66    | 4.66  | 6     | 4.66   | 99.4  | 99.4  |
| > 200      |      |         | 98.1 | 98.7  | 98.7 |      | 98.7 | 98.7         | 7.86                      | 98.7 |         | 4.66  | 4.66  |        | 4.66  | 66    |
| 81         |      | 95.5    | 98.1 | 7.86  | 98.7 | 98.7 | 98.7 | 98.7         | 98.7                      | 98.7 | 4.66    | 4.6   | 100.0 | 100.0  | 10000 | 100.0 |
| ٥          |      | 95.5    | 98.1 | C46.7 | 98.7 |      |      | 98.7         |                           | 98.7 |         | *     | 00    | 100.0  | 100.  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

AGANA, GUAM

1234-18766

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155

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

YEARS

**CEILING VERSUS VISIBILITY** 

STATION NAME

AGANA, GUAM

....

| CEILING   |   |         |      |       |      |      | VISI | IBILITY (ST. | VISIBILITY (STATUTE MILES) | (\$3) |      |         |      |        |      |          |
|-----------|---|---------|------|-------|------|------|------|--------------|----------------------------|-------|------|---------|------|--------|------|----------|
| (FEET)    | 2 | ٥<br>٨١ | 8 41 | AI AI | 8    | ≥ 2% | N AI | ¥1 ¥1        | 71                         | -     | AI   | #<br>Al | Z AI | 2 5/16 | AI   | ٨١       |
| O CEILING |   | 54.2    | 54.2 | 54.2  |      | 4    | 4    |              |                            | 4     | *    | 54.2    |      | *      | *    |          |
| × 20000   |   |         | 75.5 | 75.5  | 5    | 75.5 |      | 3            | 75.5                       |       | 8    | 75.5    |      | 75.5   | 3    | 5        |
|           |   |         | 75.5 | 75.5  |      |      |      | 5            |                            |       | 5    |         |      | 3      | 5    |          |
| 14000     |   |         | 75.5 | 75.5  |      |      |      | 75.5         | 100                        |       | 3    |         |      |        | 3    | 75.5     |
|           |   | 76.8    | 76.8 | 76.8  | 76.8 | 0    | :    | 1            | 9                          | .0    | 0    |         |      | 76.8   | 76.8 |          |
| 12000     |   |         | 77.4 | 77.4  | -    | -    | :    | -            | 7                          | -     | -    | -       |      | -      | -    | 77.4     |
|           |   |         | 82.6 | 2     | 2.   | 2    |      | 2            | 2                          | 2     | 2.   | 2       |      | 2.     | 2.   |          |
| 000       |   | 83.2    | 83.2 | 83.2  | 83.2 | 6    |      |              | -                          | -     |      |         |      |        | 6    | 83.2     |
|           |   |         | 84.5 | *     | :    | 4    | :    | :            | *                          | *     | *    | *       |      | *      | *    |          |
| 700       |   |         | 85.2 |       | 5    |      |      |              | 8                          | 5     | 5    |         |      | 3      | 3    | 85.2     |
| 1         |   |         |      | 5     | 3    | 3    | 3    | 5            | 8                          | 5     | 3    | 5       |      | 5      | 5    |          |
| 2000      |   |         |      |       |      | 5    | 8    |              | 3                          |       | 10   | 5       |      |        | 3    |          |
|           |   |         |      | 5     | 3    |      | 5    | 5            | 3                          | 5     | 5    | 5       |      | 5      | 5    | A second |
| 000       |   |         |      | 5     | 3    | 5    |      |              |                            | 5     | 3    | *       |      | 5      | 3    |          |
|           |   |         |      | -     | -    | -    | -    | -            | -                          | -     | -    | -       |      | -      | 7.   |          |
| 3000      |   |         |      | 89.7  | 6    | 6    |      |              |                            |       | 6    | 6       |      | 6      | 6    |          |
|           |   | 89.7    | 89.7 | 6     | 89.7 | 89.7 | 89.7 | 89.7         | 89.7                       | 89.7  | 89.7 | 89.7    | 89.7 | 89.7   | 1.68 | 89.7     |
| 7 2000    |   |         |      |       | 6    | 6    | 6    |              |                            |       | 6    | 6       |      | 6      | 6    |          |
|           |   | 89.7    |      |       |      | 6    | 0    | 6            | 6                          | 6     | 6    | 6       |      | 6      | 6    | 89.7     |
| 1500      |   |         |      |       | 0    | 0    | 0    |              | 0                          | ò     | 0    | 0       |      | 0      | 0    |          |
|           |   |         |      | 9     |      |      |      |              | 0                          | . 9   |      | •       |      | . 9    |      | 96.8     |
| 1000      |   | 96.8    | 96.8 | 4.76  | -    |      |      | 8            | 00                         |       |      |         |      |        | 8    |          |
|           |   | 97.4    | 97.4 |       |      | *    | 8    |              | 00                         | 8     |      |         |      |        | 8    | 98.7     |
| 8         |   | 97.4    | 4.16 | 98.1  |      |      |      |              | 8                          |       |      |         |      |        |      | 98.7     |
|           |   | 97.4    | 97.4 |       |      | 00   |      | 98.7         |                            |       | 03   | 00      |      |        | 8    | 98.7     |
| 8         |   | 97.4    | 97.4 | 98.1  |      |      |      |              | 8                          |       |      |         | 98.7 |        |      |          |
|           |   | 97.4    | 97.4 | 98.1  |      |      |      |              |                            |       | 8    |         | 98.7 |        | 8    | 98.7     |
| 8         |   | 97.4    | 97.4 | 98.1  | 98.1 |      | 8    | 98.7         |                            |       |      |         | 98.7 |        |      |          |
|           |   | 4.7.6   | 97.4 | 98.1  |      | 8    |      | 98.7         | 00                         |       |      | 4.66    | 4.66 | 4.66   | 6    | 99.4     |
| 30        |   | 97.4    | 97.4 | 98.1  | 98.1 | 8    | 98.7 | 98.7         |                            |       | 6    |         | 4.66 |        | 4.66 |          |
| 8         |   | 97.4    | 4.16 | 1.86  | 98.1 | 98.7 | 7.86 | 7.86         | 98.7                       | 4.66  | 4.66 | 4.06    | 4.66 | 4.66   | 4.66 | 4.66     |
| ٥         |   | 97.4    | 97.4 |       |      |      | 7.86 | 98.7         |                            |       |      |         | 4.66 | 4.66   | 99.4 |          |

TOTAL NUMBER OF OBSERVATIONS

HOURS (1'S T

PERCENTAGE FREQUENCY OF OCCURRENCE

STATION NAME

AGANA, GUAM

2 ٨١

(FEET)

NO CEILING

VI VI 18000 1 VI VI ≥ 20000

12000

9000

2000

11 11

(FROM HOURLY OBSERVATIONS)

MONTH

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CEILING VERSUS VISIBILITY

83.9

83.9

83.9

85.2 87.7

81.3

81.3

83.2

83.9

1234-18766

155

91.6 95.5 88.4 96.8 97.4 98.1 88.4 89.7 1.86 98.1 98.1 95.5 91.6 96.8 89.7 98.1 98.1 98.1 91.6 4.16 98.1 1.86 98.1 0.0 89.7

98.1 98.1 98.1 1.86

> 98.1 98.1

> > 1.86

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97.4

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88

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ALAI

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AI AI

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96.8

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1.86

96.8 96.8

8.96

96.8

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AIAI

0

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96.

80

98.

7.86

TOTAL NUMBER OF OBSERVATIONS

85.2 81.3 83.2 83.9 83.9 83.9 87.7 83.9 2 5/16 83.2 83.9 83.0 81.3 74.8 76.1 83.9 83.9 87.7 AI 83.9 88.4 83.9 95.5 4.88 8.96 87.7 \* 4.88 85.2 91.6 81.3 83.2 95.5 4.76 96.8 1.86 ۸۱ 88.4 88.4 83.2 83.0 95.5 81.3 83.9 83.9 87.7 91.6 4.76 85.2 98.1 83.9 89.7 96.8 98.1 ٨I VISIBILITY (STATUTE MILES) 4.16 98.1 89.7 ¥1 ×1 85.2 88.4 95.5 4.76 87.7 8.96 98.1 7 0.16 95.5 83.9 81.3 83.2 85.2 88.4 88.4 96.8 76.1 83.9 83.9 83.9 87.7 89.7 98.1 98.1 AI 85.2 83.2 88.4 81.3 83.0 89.4 91.6 96.8 96.8 97.4 83.9 83.9 1 2% 74.8 83.9 95.5 96.8 76.1 81.3 83.2 83.9 83.9 85.2 88.4 89.4 91.6 74.8 83.9 87.7 96.8 4.16 4.76 N Al 76.1 7.18 8.96 85.2 1.96 74.8 83.9 89.7 91.6 94.8 96.1 96.8 83,2 ٨I 76.1 85.2 87.7 88.4 38.4 91.6 8.40 1.90 90.00 83.2 89.7 8.96 74.8 74.8 81.3 83.9 83.9 83.9 83.9 83.9 1.96 14 85.2 8.46 76.1 87.7 88.4 96.8 83.9 83.9 89.7 91.6 1.96 4.8 81.3 83.2 63.0 83.9 96.1 96.8 96.8 83.9 4

4500

ALAL

9000

ALAI

3000

MIM

2000

ALAI

1800

ALAI

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) STATION NAME

MAY

EEEE

0 N 74.6 85.3 88.6 98.0 84.1 84.5 86.5 88.0 1.96 2.86 88.9 ٨١ 86.5 85.0 0.66 85.3 88.0 88.6 98.6 84.4 84.5 85.0 89.5 81.4 84.1 88.9 92.3 98.2 98.3 98.6 98.9 1.96 2 5/16 99.1 84.1 88.4.88 89.5 88.0 0.66 85.0 86.5 1.96 98.6 81.4 81.4 85.0 98.2 1.66 84.4 84.5 92.3 98.3 6.86 AI 86.5 74.6 84.5 84.1 88.0 84.4 85.3 98.6 72.9 82.4 85.0 85.0 6.86 0.66 89.5 6.26 98.2 98.6 1.96 1.66 98. \* AI 34.1 85.0 88.0 89.5 98.0 81.4 6.88 1.96 98.6 2.66 86.5 98.3 6.86 84.4 85.0 92.3 0.66 4.66 84.5 88.0 98.2 1.66 4.66 ٨I 72.7 989.9 98.6 9.80 85.0 85.3 88.0 98.2 98.3 8.86 0.66 74.0 74.6 74.6 10.4 81.4 84.5 85.0 88.6 1.96 84.1 84.4 6.66 AI VISIBILITY (STATUTE MILES) 89.5 98.8 98.3 98.6 81.4 84.1 85.0 98 96.1 98.2 8.86 84.5 88.0 86.5 86.5 72.7 85.3 72.9 72.9 84.4 84.4 7 1 1.96 81.4 89.5 98.0 98.0 88.6 92.3 98.3 84.1 85.0 98.2 96.8 85.0 88.0 72.7 99.2 ٨١ 1.96 98.3 85.0 86.5 88.0 98.6 81.4 84.1 84.4 88.6 89.5 6.26 98.8 84.5 85.3 88.9 ۲۸ ۱۸ 85.0 88.0 98.2 98.6 98.8 84.4 85.0 85.3 86.5 86.5 86.5 86.5 89.9 96.1 98.4 98.5 98.0 8.80 98.8 8.86 81.4 84.1 84.5 92.3 98.1 1 2% 0.96 4.86 84.1 85.0 98.0 98.6 98.0 81.4 98.1 85.0 85.3 88.0 92.3 6.86 98.7 98. ۸۱ 85.0 74.6 92.3 76.4 84.1 85.0 85.3 2.86 93.8 98.2 81.4 84.5 88.0.88.0 7.76 98.0 96.3 98.2 72.7 72.9 84.4 7.76 98.1 98.2 ٨I 85.0 84.5 92.3 92.8 34.1 10.4 81.4 97.6 85.0 72.9 85.3 97.5 7.10 97.8 97.9 6.16 6.16 72.7 7.76 6.16 AI 74.0 85.0 89.5 81.4 86.5 88.0 95.5 97.0 82.4 84.1 84.4 84.5 85.0 85.3 88.6 88.9 6.96 97.0 97.1 97.1 97.1 12.9 92.2 96.8 97.1 97.1 AI 2 ٨١ NO CEILING 80 (FEET) YI YI 00081 YI 000081 2000 88 12000 8000 7000 4500 500 88 88 88 88 9000 3000 ALAL ALAI 11 11 AI AI AI AI AI AI AI AI ALAI AI AI MINI ALAI AIAI

TOTAL NUMBER OF OBSERVATIONS

1240

**NAVWEASERVCOM** 

AGANA, GUAM

HOURS (LST.)

NONTH

### 5703 CEILING VERSUS VISIBILITY JAN 68

**CEILING VERSUS VISIBILITY** 

| - OCCURRENCE                      | VATIONS)                  |
|-----------------------------------|---------------------------|
| PERCENTAGE FREQUENCY OF OCCURRENC | (FROM HOURLY OBSERVATIONS |

| CEILING    |   |         |           |         |        |       | N N   | VISIBILITY (STATUTE MILES) | ATOTE MIL | .ES)  |        |         |       |        |         |      |
|------------|---|---------|-----------|---------|--------|-------|-------|----------------------------|-----------|-------|--------|---------|-------|--------|---------|------|
| (FEET)     | 5 | o<br>Al | \$0<br>A1 | AI AI   | 6 41   | ≥ 2½  | N N   | YI<br>27.                  | 71        | Ā     | Al Al  | æ<br>∧I | N N   | N 5/16 | AI      | ٨١   |
| NO CEILING |   | 1.99    | 66.7      | 1.99    | 1.99   | 66.7  | 66.7  | 66.7                       | 66.7      | 1.99  | 7.99   | 56.7    | 66.7  | 66.7   | 66.7    | .99  |
| 1 20000    |   | 77.3    | 77.3      | 77.3    | 77.3   | 77.3  | 77.3  | 77.3                       | 77.3      | 77.3  | 77.3   | 77.3    | 77.3  | 77.3   | 77.3    | 77.  |
| N 18000    |   | 77.3    | 77.3      | 77.3    | 77.3   | 77.3  | 77.3  | 77.3                       | 17.3      | 77.3  | 77.3   | 77.3    | 77.3  | 77.3   | 77.3    | 77   |
| > 16000    |   | 77.3    | 77.3      | 77.3    | 77.3   | 77.3  | 77.3  | 77.3                       | 77.3      | 77.3  | 77.3   | 77.3    | 77.3  | 77.3   | 77.3    | 77.  |
| 7 14000    |   | 79.3    | 79.3      | 79.3    | 79.3   | 79.3  | 79.3  | 79.3                       | 79.3      | 79.3  | 79.3   | 79.3    | 79.3  | 79.3   | 79.3    | 79.  |
| ≥ 12000    |   | 20.3    | 83.3      | 83.3    | 83.3   | 83.3  | 83.3  | 83.3                       | 83.3      | 83.3  | 83.3   | 83.3    | 83.3  | 83.3   | 83.3    | 83.  |
|            |   | 89.3    | 89.3      | 89.3    | 89.3   | 89.3  | 89.3  | 89.3                       | 89.3      | 89.3  | 89.3   | 89.3    | 89.3  | 89.3   | 89.3    | 89.  |
| 000        |   | 90.06   | 90.0      | 0.06    | 90.0   | 90.0  | 90.0  | 90.0                       | 90.0      | 90.0  | 90.0   | 0.06    | 90.0  | 90.0   | 0.06    | 90.  |
|            |   | 92.0    | 92.0      | 92.0    | 92.0   | 92.0  | 92.0  | 92.0                       | 92.0      | 92.   | 92.0   | 92.0    | 92.0  | 92.0   | 92.0    | 92.  |
| 7000       |   | 92.0    | 92.0      | 92.0    |        | 92.0  | 92.0  | 92.0                       |           | 0     | 6      | 92.0    | 92.0  | 92.0   | 92.0    | 92.  |
| 1          |   | 92.0    | 92.0      | 92.0    |        | 92.0  | 92.0  | 6                          |           |       | 0      | 92.0    | 92.0  | 92.0   | 92.0    | 92.  |
| > 2000     |   | 92.0    | 92.0      | 92.0    | 92.0   |       |       | 92.0                       | 92.0      |       | 0      | 0       | 92.0  | 92.0   | 92.0    | 92.  |
| 1          |   | 92.0    | 92.0      | 92.0    |        |       | 0     | 92.0                       |           |       | 92.0   | 92.0    | 92.0  | 92.0   | 92.0    | 92.  |
| 000        |   | 94.0    | 0.46      | 94.0    | 0.46   | 94.0  | 94.   | 0                          |           |       | . 46   | 0.46    |       | 0.46   | 94.0    | 94.  |
| 1          |   | 97.3    | 97.3      | 97.3    | 97.3   | 97.3  | 0     | 0                          | 97.3      | 97.3  | 97.3   | 97.3    | 97.3  | 97.3   | 97.3    | 97.  |
| 3000       |   | 98.0    | 0.86      | 0.86    | 0.86   | 98.0  | 98.   | 98.0                       | 98.0      | 98.0  | .86    | 98.0    | 98.0  | 98.0   | 98.0    | 98.  |
| 2 2500     |   | 98.0    | 0.80      | 98.0    | 0.86   | 98.0  | 0     | 98.0                       | 98.0      | 98.0  | .86    |         | 98.0  | 98.0   | 98.0    | 98.  |
|            |   | 98.0    | 98.0      | 98.0    | 98.0   | 98.0  |       | 0                          | 98.0      | 98.0  | 98.0   | 0       |       | 98.0   | 0.86    | 98.  |
|            |   | 98.0    | 98.0      | 98.0    |        | 98.0  | 98.0  | 98.0                       | 98.0      | 98.0  | 0.86   | 98.0    |       | 98.0   | 0.86    | 98.  |
| 1500       |   | 7.86    | 98.7      |         |        | 98.7  |       | 98.7                       |           | 0     | 98.7   | 98.7    |       | 98.7   |         | 98   |
|            |   | 98.7    | 100.0     | 100.001 | 100.0  | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0 | 100.0  | 100.0   | 100.0 | 100.0  | 10000   | 100  |
| V 1000     |   | 98.7    | 100.001   | 100.001 |        | 100.0 | 0     | -                          |           | -     | 100.0  | 100.0   | 100.0 | 100.0  | 100.0   | 100  |
| 8          |   | 7.86    | .7100.01  | 100.001 | 0.001  | 100.0 | 100.0 | 100.0                      | 10000     | 100.0 | 100.0  | 10000   | 100.0 | 100.0  | 10000   | 100  |
|            |   | 28.7    | 100.0     | 100.001 | 100.0  | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0 | 100.0  | 100.0   | 100.0 | 100.0  | 100.0   | 100  |
|            |   | 98.7    | 100.00    | 100.001 | 100.0  | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0 | 100.00 | 100.0   | 100.0 | 100.0  | 100.0   | 100. |
| 8          |   | 98.7    | 100.001   | 100.001 | 100.0  | 100.0 | 100.0 | -                          | 100.00    | 100.0 | 100.0  | 100.0   | 100.0 | 100.0  | 100.0   | 100  |
|            |   | 98.7    | 100.001   | 100.001 | 100.0  | 100.0 |       | -                          | 100.0     | 10    | 100.0  | 100.0   | 100.0 | 100.0  | 100.001 | 100  |
| 8<br>4     |   | 98.7    | 100.0     | 100.001 | 100.0  | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0 | 100.0  | 100.0   | 100.0 | 100.0  | 100.0   | 1001 |
| 300        |   |         | 7100.0    | 100.001 | 100.0  | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0 | 100.0  | 100.0   | 100.0 | 100.0  | 100.0   | 100  |
|            |   | •       | 100.0     | 100.001 | 100.0  | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0 | 100.0  | 100.0   | 100.0 | 100.0  | 100.0   | 100  |
| 8          |   | •       | 100.001   | 100.001 | 100.0  | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0 | 100.0  | 100.0   | 100.0 | 100.0  | 100.0   | 100  |
|            |   | 98.7    | 100.001   | 100.001 | 100.00 | 100.0 | 100.0 | 100.0                      | 100.0     | 100.0 | 100.0  | 10000   | 100.0 | 100.0  | 100.001 | 100  |

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

0 0 0

AGANA, GUAM

£ 20

1234-18766

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

0.4 HOURS (1.5.T.)

NONTH

2222

|                            |          | 3          | 3     | 0   | 0       | 0   | 9       | 3   | 1      | m   | 10   | m   | 2    | •   | 0    | ~   | 0    | 6    | •   | m   | -    | m    | 0    | 0   | 0   | 0   | 0   | 0   | 0   | 0    | 0   | 0     | 0     |
|----------------------------|----------|------------|-------|-----|---------|-----|---------|-----|--------|-----|------|-----|------|-----|------|-----|------|------|-----|-----|------|------|------|-----|-----|-----|-----|-----|-----|------|-----|-------|-------|
|                            | ٨١       | 63.        | 75    | 76  | 76.     | 78. | 81.     | 87. | 88     | 69  | 89.  | 89. | 89.  | 89. | 90.  | 91. | 92.  |      | 93. | 93. | 36   | 66   | 00   | 00  | 00  | 00  | 00  | 8   | 00  | 00   | 8   | 88    | 8     |
|                            |          | 3          | 1     | 0   | 0       | 0   | 3       | 1   | -      | m   | 3    | 3   | m    | 3   | 0    | 3   | 0    | 3    | 3   | ~   | ~    |      | -    | 0   | 10  | 0   | 0   | 0   | 0   | 0    | 0   | 2     | 0     |
|                            | VI 34    | 63         | 75    | 10  | 16      | 78  | 81      | 87  | 88     | 68  | 68   |     | 8    | 89  | 90   | 16  |      | 6    | 6   | 63  | 16   | 66   | 00   | 00  | 00  | 00  | 00  | 00  | 8   | 00   | 8   | 88    | 00    |
|                            | 5/16     | .3         |       | 0   | 0       | 0   | .3      | .3  |        | •   | .3   | .3  | m.   | .3  | 0    | .3  | 0    | .3   | .3  | .3  |      |      | 0    | .01 | 0   | 0   | .01 | .01 | 0   | 0    | 0   | •     | 0     |
|                            | > >      | 69         |       | 10  | 16      | 78  | 81      | 87  | 88     | 89  | 89   | 68  | 68   | 89  | 80   | 16  | 26   | 63   | 63  |     | 36   | 66   | 00   | 00  | 00  | 00  | 00  | 001 | 00  | 00   | 00  | 00    | 00    |
|                            | 2        | .3         |       | 0   | 0       | 0   | .3      | 19  |        |     | .3   | .3  |      |     | 0    |     | 0    | ·    | .3  | .3  |      |      | 0    |     | 0   |     | 0   | 0   | 0   |      | 0   |       | 0     |
|                            | Al       | 63         | 15    | 16  | 16      | 78  | 8       | 87  | 88     |     |      | 89  | 8    | 88  | 6    | 16  | 26   | 63   |     | 66  | 46   |      | -    |     | 100 | 001 | 100 | 100 | 8   | 100  |     | 000   | 201   |
|                            | *        | .3         | •     |     | 0.      | 0   | .3      | .3  | . 1    | .3  | .3   | .3  |      |     | 0    |     |      |      |     | .3  |      |      |      |     | 0   | 0   | 0   | 0.  | 0   | 0    | 0   | 00    | •     |
|                            | ΑI       | 63         |       | 76  | 76      | 78  | 81      | 87  | 88     | 89  | 89   | 89  | 8    | 89  | 80   | 91  |      | 93   |     |     | 94   | 66   | 100  |     | 100 |     | -   | 100 | 100 |      | 100 | -     | 100   |
|                            | *        | 1.3        |       |     | 0.0     | 0.1 | 3       | .3  | 1.7    | .3  | 1.3  | 6.6 | .3   | 6.3 |      |     |      | .3   | •   | .3  |      | 9.3  |      |     | 0.0 |     | 0.0 |     | 0.0 | •    | 0.0 | •     | 9     |
|                            | Λi       | 69         | 75    | 76  | 76      | 78  | 8       | 8   | 88     | 89  | 89   |     | 89   |     | 90   | 16  | 0    | 63   |     | 63  |      | 56   | -    | 100 | 100 | 10  | -   | 100 | -   | 10   | 10  |       | 200   |
|                            | -        | 3.3        | 5.3   | 6.0 |         | 3.0 | .3      | 7.3 | 3.7    | 9.3 | 9.3  | 6.3 | 6.3  |     | 0.0  | .3  | 2.0  | 3.3  | 3.3 | 3.3 | 4.7  | 9.3  | 0.0  | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |      | 0.0 | •     | 0.0   |
| LES)                       | ΑI       | 9          | 7     | 7   | 7       | 2   | 80      | 8   | 60     | 80  | 80   | 8   | 80   | 8   | 6    | 0   | 6    |      | 0   | 0   | 6    | 6    | 10   | 10  | 10  | 100 | 10  | 10  | 10  | -    | 100 | 0     | 0010. |
| IE MI                      | 7.7      | 3.3        | 5.3   | 6.0 | 0.9     | 8.0 | 1.3     | 7.3 | 8.7    | 9.3 | 9.3  | 6.6 | 9.3  | 9.3 | 0.0  |     | 2.0  | 3.3  | 3.3 | 3.3 | 4.7  | 9.3  | 0.0  | 0.0 |     | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0 |       | 0.0   |
| TATU                       | Al       | 0          |       | -   | -       | -   | 0       | 00  | 80     | 00  | 80   | 8   | 00   | 00  | 0    | 0   | 0    | •    | •   | 0   | 0    |      | 10   | 100 | 100 | 100 | 10  | 001 | 10  | 0100 | 200 | -     | 0010  |
| TY (S                      | 7.       | 3.3        |       | 6.0 |         | 8.0 | 1.      | 7.3 | 8.7    | 9.  | 6.0  | 6.9 | 6.   |     | 0.0  | 1.3 |      | 3.3  |     | 3.3 |      | 9.3  | 0.0  | 0.0 | 00  | 0.0 | 0.0 | 0.0 | 0.0 |      | 00  |       | 00    |
| VISIBILITY (STATUTE MILES) | ΛI       | 0          | 3 7   | ~   | 10      | 7   | 3       | 9   | 7 8    | 8   | 60   | 3   | 8    | 3   | 0    | 9   | 6 0  | 6    | 3   |     | 0    | 3    | 010  | 010 | -   | 010 | 010 | 010 | 010 | 010  | 010 | -     | 010   |
| >                          | ۲۹<br>۱۸ | 3.         | 5.    |     | .0      | 8.  | -       | -   | 8.     |     | 6    | .6  | 6    | 6   | 0    | -   | 2    |      | 3   |     |      | .6   | 00.  |     | 0   |     | 0   |     |     | •    | 0   | 0     | ò     |
|                            |          | 3 6        | 3     |     | 7       | 0   | 8       | 3   | 7 8    | 30  | 3 8  | 3   | 60   | 93  | 0    | 3   |      | 9    |     | 0   |      | 3    | 010  | 010 | 010 | 010 | 010 | 010 | 010 | -    | 000 | -     | 010   |
|                            | 2 2%     |            | 5     | 6   |         | .8  | 1       | 7.  | 18.    | 89. | .61  | 99. | 89.  | 6   | 0    | -   | 2    | 93.  |     | 3.  |      | . 66 | 00   | .00 | 00  | .00 | 00  | 00  | .00 | .00  | 00  | .00   | 00    |
|                            |          | 3 6        | 3     | 0   | 0       | 0   | 9       | 80  | 7 8    | 3   | 3    | 3   | 8    | 30  | 0    | 3   | 0    | 8    | 3   | 6   | 7    | 6    | 016  | 010 | 010 | 010 | 0   | 010 | 30  | 0    | 0   |       | 5     |
|                            | ۸I       | 63.        | 75.   | 76. | 76.     | 78. | 81.     | 87. | 88.    | 89. | 68   | 89. | 89.  | 89. | .06  | .16 | 92.  | 63.  |     | 93. | . 56 | .66  | .00  | 00  | 00  | 00  | .00 | 00  | .00 | .00  | 00  | 00    | 00    |
|                            |          | ~          |       | 0   | 0       | 0   | m       | 100 | -      | 6   | ~    | •   | 100  | •   |      | •   | 0    | 6    |     | 3   |      | 100  | 31   | 31  | 3   | 31  | 31  | 31  | 3   | 31   | 31  |       | 31    |
|                            | VI       | 63         |       | 76  | 76.     | 78. | 81      | 87  | 88     | 68  | 68   | 89  | 68   | 89  | 90   | 91. | 92.  | 93   | 93  | 63  |      | 66   | 96   | 66  | 66  |     | 66  | 66  | 66  | 66   | 66  |       | 66    |
|                            |          | ~          |       |     | 0       |     | 6       |     | 1.     | 6   |      |     | 9    |     |      |     |      |      | 3   |     | 1.   | 1.   | 1.   |     | 1.  |     |     | 1.  |     | 1.   |     | -     |       |
|                            | ۸i       | 69         | 75    | 10  | 16      | 78  | 8       | 87  | 88     | 89  | 89   | 89  | 89   | 8   | 06   | 16  | 92   | 63   | 63  | 69  | 94   | 86   | 96   | 86  | 98  | 96  | 6   | 86  | 86  | 86   | 86  | 6     | EV.   |
|                            | •        |            |       |     | 0       |     |         |     |        |     |      |     |      |     | 0    |     |      |      | -   |     |      |      |      |     | F.  |     |     |     |     |      |     |       | •     |
|                            | Al       | 69         | 75    | 76  | 76      | 78  | 8       | 87  | 88     | 89  | 89   | 89  | 9    | 68  | 90   | 6   | 92   | 93   | 66  | 93  | 94   | 96   | 98   | 86  | 96  | 96  | 86  | 86  | 86  | 86   | 86  | 80    | 9     |
|                            | 9        |            |       |     |         |     |         |     |        |     |      |     |      |     |      |     |      |      |     |     |      |      |      |     |     |     |     |     |     |      |     |       |       |
|                            | Al       |            |       |     |         |     |         |     |        |     |      |     |      |     |      |     |      |      |     |     |      |      |      |     |     |     |     |     |     |      |     |       |       |
| 9                          | -        | SNI        | 8     | 8   | 8       | 8   | 8       | 8   | 8      | 8   | 2000 | 8   | 2000 | 8   | 4000 | 8   | 8    | 2500 | 8   | 8   | 1500 | 8    | 1000 | 8   | 8   | 8   | 8   | 8   | 400 | 300  | 8   | 8     | >     |
| CEILING                    | FEE      | NO CEILING | 20000 | 180 | ≥ 16000 | 140 | ≥ 12000 |     | > 3000 |     | N AI |     | S AI |     | 4    |     | 3000 | 1    | 2   |     | ¥ .  |      | N N  |     | ٨١  |     | 4   |     | 4   |      | ٨١  | A1 /  |       |
|                            |          | ž          |       |     |         |     |         |     |        |     |      |     |      |     |      |     |      |      |     |     |      |      |      |     |     |     | -"  |     |     |      |     | ,,,,, |       |

TOTAL NUMBER OF OBSERVATIONS

### 5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY 07 HOURS (1.5.T.) PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) AGANA, GUAM

| CEILING<br>(FEET) |     |          |         |         |       |       | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | (S)     |       |        |       |        |         |         |
|-------------------|-----|----------|---------|---------|-------|-------|---------|-------------|----------------------------|---------|-------|--------|-------|--------|---------|---------|
|                   | V 0 | <b>%</b> | 2 4     | 4       | 1 3 ¢ | ≥ 2%  | 2 2     | ₹1.5<br>11% | ¥1 Y                       | -       | ١٧ %  | *      | 7     | ≥ 5/16 | % AI    | 0 1     |
| NO CEILING        |     |          |         | 57.3    | 57.3  | 57.3  | 57.3    | 57.3        | 57.3                       | 57.3    | 57.3  | 57.3   | 57.3  | 57.3   | 57.3    | 57.3    |
| > 20000           |     | 75.3     | 75.3    | 75.3    | 75.3  | 75.3  | 75.3    | 75.3        | 75.3                       | 75.3    | 75.3  | 75.3   | 75.3  | 75.3   | 75.3    | 75.3    |
| ≥ 18000           |     |          | 75.3    | 75.3    | 75.3  | 75.3  | 75.3    | 75.3        | 75.3                       | 75.3    | 75.3  | 75.3   | 75.3  | 75.3   | 75.3    | 75.3    |
| ≥ 16000           |     | 76.0     | 76.0    | 76.0    | 76.0  | 76.0  | 76.0    | 76.0        | 76.0                       | 76.0    | 76.0  | 76.0   | 76.0  | 76.0   | 76.0    | 76.0    |
| ≥ 14000           |     | 78.0     | 78.0    | 78.0    | 78.0  | 78.0  | 78.0    | 78.0        | 78.0                       | 78.0    | 78.0  | 78.0   | 78.0  | 78.0   | 78.0    | 78.0    |
| ≥ 12000           |     | 84.0     |         | 84.0    | 84.0  | 84.0  | 84.0    | 84.0        | 84.0                       | 84.0    | 84.0  | 84.0   | 84.0  | 84.0   | 84.0    | 84.0    |
| 00001 ₹           |     | 89.3     | 89.3    | 89.3    | 89.3  | 89.3  | 89.3    | 89.3        | 89.3                       | 89.3    | 89.3  | 89.3   | 89.3  | 89.3   | 89.3    | 89.3    |
|                   |     | 91.3     | 91.3    | 91.3    | 91.3  | 91.3  | 91.3    | 91.3        | 91.3                       | 91.3    | 91.3  | 91.3   | 91.3  | 91.3   | 91.3    | 91.3    |
| 0008 ₹            |     | 93.3     | 93.3    | 93.3    | 93.3  | 93.3  | 93.3    | 93.3        | 93.3                       | 93.3    | 93.3  | 93.3   | 93,3  | 93.3   | 93.3    | 93.3    |
| > 7000            |     | 93.3     | 93.3    | 93.3    | 93.3  | 93.3  | 93.3    | 93.3        | 93.3                       | 93.3    | 93.3  | 93.3   | 93.3  | 93.3   | 93.3    | 93.3    |
| 100               |     | 93.3     | 63.3    | 93.3    | 93.3  | 93.3  | 93.3    | 93.3        | 93.3                       | 93.3    | 93.3  | 93.3   | 93.3  | 93.3   | 93.3    | 93.3    |
| 2000              |     | 94.0     | 0.46    | 0.46    | 0.46  | 0.46  | 94.0    | 0.46        | 94.0                       | 0.46    | 94.0  | 0.46   | 0.46  | 94.0   | 0.46    | 0.46    |
| 1                 |     | 94.7     |         | 4.76    | 94.7  | 94.7  | 94.7    | 4.7         | 4.7                        | 7.46    | 7.46  | 4.7    | 94.7  | 94.7   | 7.46    | 4.46    |
| 0007              |     | 95.3     | 95.3    | 95.3    | 95.3  | 95.3  | 95.3    | 95.3        | 95.3                       | 95.3    | 95.3  | 95.3   | 95.3  | 95.3   | 95.3    | 95.3    |
|                   |     | 96.0     |         | 96.0    | 96.0  | 96.0  | 0.96    | 0.96        | 96.0                       | 96.0    | 96.0  | .9     | 96.0  | 96.0   |         | 96.0    |
| 3000              |     | 96.0     |         |         | 96.0  | 96.0  |         | 0.96        |                            | 96.0    |       | 96.0   |       | 96.0   | 0       | 0.96    |
|                   |     | 96.0     |         | 0.96    | 0.96  | 96.0  | 96.0    | 0.96        | 96.0                       | 96.0    | 96.0  | 0.96   | 96.0  | 96.0   |         | 96.0    |
| ≥ 2000            |     | 96.7     | 96.7    | 7.96    | 7.96  | 96.7  | 96.7    | 96.7        | 96.7                       | 96.7    | 96.7  |        |       | 96.7   | 1.96    | 96.7    |
| 100               |     | 96.7     | 96.7    | 7.96    | 7.96  | 96.7  | 7.96    | 96.7        | 96.7                       | 7.96    | 96.7  | 1.96   | 96.7  | 96.7   | 1.96    | 40.7    |
| > 1500            |     | 97.3     | 97.3    | 97.3    | 97.3  | 97.3  | 97.3    | 97.3        | 97.3                       | 97.3    | 97.3  | 97.3   | 97.3  | 97.3   | 97.3    | 97.3    |
| > 1200            |     | 99.3100  | 100.001 | 100.00  | 0.00  | 100.0 | 100.0   | 100.0       | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 100.0  | 100.001 | 0000    |
|                   |     | 99.3     | 100.01  | 100.00  | 100.0 | 100.0 | 100.0   | 100.0       | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 100.0  | 100.001 | 0000    |
| &<br>AI           |     | 86.3     | 100.001 | 100.00  | 00.00 | 100.0 | 100.001 | 100.0       | 0.0010                     | 100.0   | 100.0 | 100.0  | 100.0 | 100.0  | 0       | 100.0   |
| ≥ 800             |     | 66.3     | 100.001 | 100.001 | 100.0 | 0     | 100.00  | 100.00      | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 100.0  | 100.001 | 0000    |
|                   |     | 99.3     | 100.0   | 100.001 | 100.0 | 0     | 100.0   | 100.00      | 100.0                      | 100.0   | 100.0 | 100.0  | 0.001 | 100.0  | 100.0   | 100.0   |
| 8                 |     | 99.3     | 0       | 0       | 100.0 | 100.0 | 100.0   | 100.0       | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 100.0  | 100.001 | 0.00    |
|                   |     | 86.3     | 3100.0  | 100.00  | 100.0 | O     | 100.0   | 100.0       | 100.0                      | 0       | 100.0 | 100.0  | 100.0 | 100.0  | 100.0   | 100.0   |
| N 400             |     | 99.3     | .0      | 100.001 | 0     | 0     | 0       | 100.0       | 100.0                      | 100.0   | 100.0 | 0.0    | 100.0 | 100.0  | 100.001 | 100.0   |
|                   |     | 86.66    |         | 100.001 | 100.0 | 100.0 | 0       | O           | 100.0                      | 0       | 100.0 | 0.0    | 100.0 | 100.0  | 00      | 100.0   |
| N 200             |     | 66.3     | .0      | 100.001 | 0     | 100.0 | ó       | 100.0       | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 100.0  | 100.001 | 100.0   |
| 8                 |     | 66.3     | 100.01  | 100.001 | 100.0 | 0     |         | 0           | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 100.0  | 100.001 | 100.0   |
| 0                 |     | 99.3     | 0       | 100.01  | 100.0 | 100.0 | •       | 0100.0      | 0100.0                     | .0100.0 | 100.0 | 0100.0 | 100.0 | 100    | 0100.0  | .0100.0 |

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

2 2 2

CEILING VERSUS VISIBILITY JAN 68

ET

150

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

NOURS (LST)

NONTH

| CEILING    |   |       |      |         |          |        | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | (53)    |         |         |       |         |         |       |
|------------|---|-------|------|---------|----------|--------|---------|-------------|----------------------------|---------|---------|---------|-------|---------|---------|-------|
| (FEET)     | 5 | o Al  | \$   | AI AI   | e Al     | 2 2%   | 7 7     | V1 V        | VI<br>3.                   | -<br>AI | ₹<br>Al | * 1     | γ.    | ≥ 5/16  | AI AI   | ٨١    |
| NO CEILING |   | 0.0   | 40.0 | 40.0    | 40.0     | 0.0    | 40.0    | 0.04        | 40.0                       | 40.0    | 40.04   | 40.0    | 40.0  | 40.0    | 40.0    | 0.0   |
|            |   | A 8 4 | •    |         | V 8 9    | 6 8 3  |         |             |                            |         |         | 1       |       | 65.3    |         | 45.3  |
| 1 4000     |   | 99    | 99   | 0.99    | 99       | 0.99   | 66.0    | 0.00        | 66.0                       | 66.0    | 66.0    | 0.99    | 99    | 0.99    | 000     | 66.0  |
|            |   | 68.0  |      |         | 68.0     |        |         | 0.89        | 0.89                       |         | 68.0    | 68.0    | 68.0  | 68.0    | 68.0    |       |
| 2 12000    |   | 72.0  |      | 72.0    | 72.0     | 72.0   | 72.0    | 2           | 72.0                       |         | 72.0    | 72.0    | 72.0  |         | 72.0    | 72.0  |
| 1 -        |   | 78.7  |      |         | 78.7     | 78.7   | 78.7    | 78.7        | 78.7                       | 78.7    | 78.7    | 78.7    | 78.7  | 78.7    | 78.7    | 78.7  |
| 900        |   | 80.7  |      | 80.7    | 80.7     | 80.7   | 80.7    | 80.7        | 80.7                       | 80.7    | 80.7    | 80.7    | 80.7  |         | 80.7    | 80.7  |
| 1          |   | 82.7  | 82.7 | 82.7    | 82.7     |        | 82.7    | 82.7        | 82.7                       |         | 82.7    | 82.7    | 82.7  | 82.7    | 82.7    | 82.7  |
| 7000       |   | 82.7  | 82.7 | 82.7    | 82.7     | 82.7   | 82.7    | 82.7        | 82.7                       | 82.7    | 82.7    | 82.7    | 82.7  | 82.7    | 82.7    | 82.7  |
| 1          |   | 82.7  | 82.7 | 82.7    | 82.7     | 82.7   | 82.7    | 82.7        |                            |         | 82.7    | 82.7    | 82.7  | 82.7    | 82.7    | 82.7  |
| 2000       |   | 83.3  | 83.3 | 83.3    |          | 83.3   | 83.3    |             | 83.3                       | 83.3    | 83.3    | 83.3    | 83.3  |         | 63.3    | 83.3  |
|            |   | 84.7  | 84.7 | 84.7    | 84.7     | 84.7   | 84.7    | 84.7        |                            | 84.7    |         |         |       | 84.7    | 84.7    | 84.7  |
| 000        |   | 85.3  | 85.3 | 85.3    | 85.3     | 85.3   | 85.3    | 85.3        | 85.3                       | 85.3    | 85.3    | 85.3    | 85.3  |         | 85.3    | 85.3  |
| 1          |   | 85.3  | 85.3 | 85.3    | 85.3     | 85.3   | 85.3    |             | 85.3                       | 85.3    | 85.3    | 85.3    | 85.3  |         | 85.3    | 85.3  |
| 300        |   | 86.7  | 86.7 |         |          |        | 96.7    | 86.7        | 86.7                       |         | 86.7    | 86.7    | 86.7  | 86.7    | 86.7    | 86.7  |
|            |   | 86.7  | 86.7 |         | 36.7     |        | 86.7    | 86.7        | 86.7                       | 86.7    |         |         | 86.7  |         | 86.7    |       |
| 7 2000     |   | 86.7  | 86.7 | 86.7    | 86.7     | 86.7   | 86.7    |             | 86.7                       | 86.7    | 86.7    | 86.7    | 86.7  | 86.7    | 86.7    | 86.7  |
|            |   | 88.7  | 88.7 | 88.7    | 88.7     | 88.7   | 88.7    |             | 88.7                       | 88.7    |         | 80      |       | 88.7    |         | 88.7  |
| > 1500     |   | 96.0  | 0.96 | 0.96    | 0.96     | 0.96   | 0.96    | 0.96        |                            | 0.96    |         | 9       | 0.96  | 0.96    | 0.96    | 0.96  |
|            |   | 0.86  | 98.0 |         | 98.7     |        | 98.7    |             |                            | 98.7    | 98.7    |         |       | 98.7    |         |       |
| VI<br>000  |   | 98.7  | •    | 86.3    | 66.3     | 86.3   | 6.66    | 99.3        |                            | 86.66   |         |         |       | 99.3    | 99.3    | 99.3  |
|            |   | 98.7  | 98.7 | 66.3    | 66.3     | 99.3   | 66.3    | 6           | 6                          | 66.3    | 66.3    |         |       | 99.3    | 66.3    | 86.3  |
| 8          |   | 98.7  | 98.7 | 86.3    | 66.3     | 86.3   | 66.3    | 99.3        |                            |         |         | 86.3    |       | 86.66   | 88.3    | 99.3  |
|            |   | 99.3  | 66.3 | 100.001 | 00.00    | 00.00  | 100.001 | 100.00      | 100.01                     | 0000    | 0.001   |         | 100.0 | 100.0   | 100.001 | 00.00 |
| 8          |   | 99.3  | 66.3 | 100.001 | 00.00    | 100.00 | 100.001 | 100.00      | 100.001                    | 1000    | 100.0   | 100.001 | 100.0 | 100.00  | 100.001 | 00.00 |
|            |   | 99.3  |      | 100.001 | 00.00    |        | 100.001 | 100.00      | 100.001                    | •       |         | 100     | 0     |         | 100.001 | 0000  |
| 007<br>AI  |   | 99.3  | 99.3 | 100.001 | 00.00    | 100.00 | 100.001 | 100.001     | 0                          | 0.001   |         | 20      | 100.0 | 100.0   | 100.001 | 0.00  |
| 30         |   |       | 66.3 | 10.001  | 100.00   |        | 100.001 |             | 0                          | •       | •       | 100     | 0     | 0.0     | 0       | 100.0 |
|            |   |       | 99.3 | 100.001 | 00.00    |        | 100.001 | 100.001     | 100.001                    | 10000   | 100.0   | 100.0   | 100.0 | 100.0   | 100.01  | 00.00 |
| 901        |   | 66.3  | 66.3 | 0.      | 00.00    | 0      |         |             | .00                        | 0.0     |         | 0.      | 0     |         | 0       | 0.00  |
|            |   |       | 66.3 | 10.00   | 100.0100 |        | 100.01  | 10.00       | 00.001                     | 0.0     | 100.0   | 100.00  | 0.001 | 100.001 | 0100.01 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

10. I

CEILING VERSUS VISIBILITY

| PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) |
|---|
|---|

| CEILING    |    |         |            |      |         |        | >      | ISIBILITY ( | VISIBILITY (STATUTE MILES) | (ES)       |        |         |       |        |        |       |
|------------|----|---------|------------|------|---------|--------|--------|-------------|----------------------------|------------|--------|---------|-------|--------|--------|-------|
| (FEET)     | 21 | ۰<br>۸۱ | 8 41       | ۸I   | AI<br>O | 2 2%   | 71     | ۲۱<br>۲۱    | YI<br>7.                   | ŽI.        | AI     | *       | Z AI  | ≥ 5/16 | AI N   | 0 11  |
| NO CEILING |    | 40.7    | 40.7       | .04  | 40.     | 40.    | 40.    | 7 40.       | 7 40.7                     | .04        | 7 40.  | 7 40.7  | 40.7  | 40.7   | 40.7   | 40.7  |
| 20000      |    | 62.7    |            | 62.  | 7 62.   | 62     | 7 62.  | 7 62.       | 7 62.                      | 62.        | 7 62.  | 62.7    | 62.7  | 62.7   | 62.7   | 62.7  |
| ≥ 18000    |    | 62.7    | 62.7       | 62.  | 7 62.   | 7 62.  | 7 62.  | 7 62.       | 7 62.7                     | 62.        | 7 62.  | 7 62.7  | 62.7  | 62.7   | 62.7   | 62.7  |
| 1 16000    |    | 63.3    | 63.3       | 63.  | 3 63.   | 63     | 3 63.  | 3 63.       | 3 63.3                     | 63.        | 3 63   | \$ 63.3 | 63.3  | 63.3   | 63.3   | 63.3  |
| ≥ 14000    |    |         | 64.0       | 64.  | 3 64.   | . 64.  | 0 64.  | 0 64.       | 0. 64.0                    | 64.        | 0 64.6 | 0 64.0  | 64.0  | 64.0   | 0.49   | 64.0  |
| ≥ 12000    |    |         | 67.3       | 67.  | 67.     | 1 67   | 3 67.  | 1 67        | 3 67.3                     | 67.        | 3 67   | 67.3    | 67.3  | 67.3   | 67.3   | 67.3  |
| ≥ 10000    |    | 71.0    | 72.0       | 72.  | 72.0    | 72.    | 0 72.  | 0 72.       | 0 72.0                     | 72.        | 0 72.0 | 0 72.0  | 72.0  | 72.0   | 72.0   | 72.0  |
|            |    | -       | 75.3       | 75.  | 75.     | 75     | 75.    | 3 75        | 3 75.3                     | 75.        | 75.    | 75.3    | 75.3  | 75.3   | 75.3   | 75.3  |
| 0008 AI    |    | 78.7    | 78.7       | 78.  | 7 78.   | 7 78.  | 7 78.  | 7 78.       | 7 78.7                     | 78.        | 7 78.  | 7 78.7  | 78.7  | 78.7   | 78.7   | 78.7  |
| × 7000     |    | 78.7    | 78.7       | 78.  | 7 78.   | 7 78   | 7 78.  | 7 78.       | 7 78.7                     | 78.        | 7 78.  | 7 78.7  | 78.7  | 78.7   | 78.7   | 78.7  |
| 0009 AI    |    | 78.7    | 787        | 78.  | 7 78.   | 7 78.  | 7 78.  | 7 78.       | 7 78.7                     | 78.        | 7 78.  | 7 78.7  | 78.7  | 78.7   | 78.7   | 78.7  |
|            |    | 79.3    | 796.3      | 79.3 | 3 79.3  | 79     | ₹ 79.  | 1 79.       | ₹ 79.3                     | 79.        | 3 79.3 | 1 79.3  | 79.3  | 79.3   | 79.3   | 79.3  |
| > 4500     |    | 79.3    | 7983       | 79.  | •       | •      | 3 79.  | 3 79.       | 3 79.3                     | 19.        | 3 79.3 | 3 79.3  | 79.3  | 79.3   | 79.3   | 79.3  |
|            |    | 79.3    | 79,3       | 79.  | 3 79.   | 79.    |        | 3 79.       | 3 79.3                     | 79.        | -      | 19.3    | 79.3  | 79.3   | 79.3   | 79.3  |
| > 3500     |    | 79.3    | 79.3       | 79.  | 3 79.3  | 1 79.  | 3 79.  | 3 79.       | 3 79.3                     | 1 79.      | 3 79.3 | 3 79.3  | 79.3  | 79.3   | 79.3   | 79.3  |
| 3000       |    | 80.0    | 80.0       | 80.0 | 0.08    | 80.    | 80.    | 0 80.       | 0.08                       | 80.        | 80.    | 0 80.0  | 80.0  | 80.0   | 80.0   | 80.0  |
| > 2500     |    | 82.0    | 82.0       | 82.0 | 0 82.0  | 82.    | 0 82.0 | 0 82.       | 0.88.0                     | 82.        | 82.    | 0 82.0  | 82.0  | 82.0   | 82.0   | 82.0  |
|            |    | 82.7    | 82.7       | 82.  |         |        | 7 82.  | 7 82.       | 7 82.7                     | 1 82.      | 7 82.7 | 7 82.7  | 82.7  | 82.7   | 82.7   | 82.7  |
| V 1800     |    | 84.7    | 84.7       | 84.  | 7 84.   | 7 84.  | 7 84.  | 7 84.       | 7 84.7                     | . 84.      | 7 84.7 | 7 84.7  | 84.7  | 84.7   | 84.7   | 84.7  |
| - 1        |    | 95.3    | 95.3       | 95.  | 3 95.3  | 95.    | 3 95.  | 3 95.       | 3 95.3                     | 95.        | 3 95.3 | 95.3    | 95.3  | 95.3   | 95.3   | 95.3  |
| 1200       |    | 98.0    | 98.7       | .86  | 7 99.3  | . 66   | € 66.  | 3 99.       | ₹ 99.3                     | .66        | 3 99.3 | 8 99.3  | 99.3  | 66.3   | 99.3   | 99.3  |
|            |    |         | 99.3       | 66   | 3100.0  | 100    | 0100   | 0100.0      | 0100.01                    | 00.        | 0100.0 | 0100.0  | -     | 100.0  | 100.0  | 100.0 |
| 8<br>AI    |    | 98.7    | 66.3       | 99   | 3100.0  | 0100.  | 0100   | 0100.       | 0.0010                     | 100        | 0100.0 | 0100.0  | -     | 100.0  | 100.0  | 100.0 |
|            |    | 98.7    | 99.3       | .66  | 3100.0  | .0010. |        |             | 0100.0                     | 00.0010.00 | 100.   | 0100.0  | -     | 100.0  | 100.0  | 100.0 |
| 700        |    | 98.7    | 66.3       | 99.3 | 3100.0  | 0100.  | 0100.0 |             | 0.0010                     | 100.       | 0100.0 | 0100.0  | -     | 2      | 100.0  | 100.0 |
|            |    | 98.7    | 8. 66<br>6 | 66   |         |        |        | 0100.       | 0100.01                    | .00        | 0100.0 | 0100.0  | -     | 100.0  | 100.0  | 100.0 |
| 98<br>AI   |    | 98.7    | 99.3       | 99.  | 1000    | 0100.0 | 0100.0 | 0100.0      | 0100.0                     | .00        | 0100.0 | 0100.0  | 100.0 | 100    | 0100.0 | 100.0 |
|            |    | 98.7    | 66.3       | 99.  | 3100.0  | 1000   |        | 0100.0      | 0100.0                     | 100.       | 0100.0 | 100.0   | 100.0 | 100.0  | 100.0  | 100.0 |
| 38         |    | 98.7    | 86.3       | 99.  | 3100.0  | 1000   | 01000  | 01100       | 0100.0                     | 1001       | 0100.0 | 0100.0  | 100.0 | 10000  | 100.0  | 100.0 |
|            |    | 98.7    | 99.3       | . 66 | 3100.0  | 1000.  | 0100   | 0100.       | 0100.0                     | 100.       | 0100.0 | 100.0   | 100.0 | 10000  | 100.0  | 100.0 |
| 8          |    |         | 99.3       | 99.  | 1000    | 1000   | 0100   | 0100        | 0.0016                     | 100.       | 0100.0 | 10000   | 1000  | 10000  | 10000  | 100.0 |
| 0 1        |    | 98.7    | 66.3       | 99.3 | 3100.0  | 0100.0 | 0100.0 | 0100.       | 0.0010                     | 100.       | 0100.0 | 10001   | 100.0 | 100.0  | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1234-18766

### 5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST)

NO.

| CEILING    |    |      |       |      |      |      | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES)     |       |      |     |         |        |       |      |       |
|------------|----|------|-------|------|------|------|------|-------------|----------------------------|---------|-------|------|-----|---------|--------|-------|------|-------|
| (FEET)     | 7) | 41   | \$ 11 | *    | 1 3  | 2 2% | 7 7  | ۲۷ الا      | ¥1                         | AI      | AI    | ΑÏ   | *   | ۶<br>۸۱ | ≥ 5/16 | ۸I    | ٨١   | 0     |
| NO CEILING |    | 42.0 |       | 42.0 | 42.0 | 42.0 | 42.0 | 42.0        | 42.0                       | 42.0    | 5 42. | 24 0 | 0.  | 12.0    | 42.    | 0 42. | 4    | 2.0   |
| > 20000    |    | -    |       | 71.3 | 71.3 |      | 71.3 | 71.3        | 71.3                       | 71.     | 3 71. | 3 71 | .3  | 11.3    | 71.    | 3 71. | 3 7  | 1.3   |
| V 18000    |    |      |       | 71.3 | 71.3 | 71.3 | 71.3 | 71.3        | 71.3                       | 71.     | 3 71. | 3 71 | 6.  | 1.3     | 71.    | 3 71. | 3 7  | 1.3   |
| 2 16000    |    |      |       | 71.3 | 71.3 | 71.3 | 71.3 | 71.3        | 71.3                       | 71.     | 3 71. | 3 71 | .3  | 11.3    | 71.    | 3 71. | 3 7  | 1.3   |
|            |    | 72.0 |       | 72.0 | 72.0 |      | 72.0 | 72.0        | 72.0                       |         | 0 72. | 0 72 | 0.  | 12.0    | 72.    | 0 72. | 0 7  | 2.0   |
| 2 12000    |    |      |       | 76.7 | 76.7 | 76.7 | 76.7 | 76.7        | 76.7                       | 76.     | 7 76. | 7 76 |     | 16.7    | 76.    | 7 76. | 7    | 6.7   |
|            |    |      | 1     | 81.3 |      | 61.3 |      | 81.3        | 81.3                       | 81.     | 3 81. | 3 81 | .3  | 11.3    | 81.    | 3 81. | 3    | 1.3   |
| 0006       |    | 84.0 |       | 84.0 | 84.0 | 84.0 | 84.0 | 84.0        | 84.0                       | 84.0    | 0 84. | 0 84 | 0.  | 0.4     | ;      | 0 84. | 0    | 4.0   |
|            |    |      | 86.7  | 86.7 | 86.7 | 86.7 | 86.7 | 86.7        | 86.7                       | 86.     | 1 86. | 7 86 |     | 10.1    | 86.    | 7 86. | 7 8  | 6.7   |
| 141        |    | 87.3 | 87.3  | 87.3 | 87.3 | 87.3 | 87.3 | 87.3        | 87.3                       | 87.     | 3 87. | 3 87 | .3  | 17.3    | 87.    | 3 87. | 80   | 7.3   |
| 1          |    | 87.3 | 1     | 87.3 | 87.3 |      | 87.3 | 87.3        | 87.3                       |         | 3 87. | 3 87 | .3  | 17.3    | 87.    | 3 87. | 3    | 7.3   |
| 800        |    | 88.0 |       | 88.0 | 88.0 | 88.0 | 88.0 | 88.0        | 88.0                       | 88.     | .88   | 0 88 | 0   | 88.0    | •      | 0 88  | 8    | 8.0   |
|            |    | 88.0 | 98.0  | 88.0 |      | 88.0 |      |             |                            | 88.     | 0     | 00   | •   | 88.0    | 88.    |       | 0    | 8.0   |
| 004        |    | 88.0 |       | 88.0 | 88.0 | 88.0 |      | 88.0        | 88.0                       | *       |       | 0 88 | 0.  | 0.88    | •      | 88.   |      | 8.0   |
| 1          |    | 88.7 |       | 88.7 | 88.7 | 88.7 |      | 88.7        |                            | 88.     |       |      | . 7 | 18.7    | 88.    |       | 1 8  | 8.7   |
| 3000       |    | 90.7 |       | 40.4 |      | 90.7 | 40.4 | 90.7        | 0                          |         |       | 7 90 | .7  | 10.7    | .06    | 7 90. | 7    | 0.7   |
| 1          |    | 90.7 | 1     | 90.7 | 40.1 |      | 40.4 | 90.7        | 90.7                       | ò       | 7 90. | 1 90 | 1.  | 10.7    | 90.    | 7 90. | 1    | 1.0   |
| 7 2000     |    | 90.7 |       | 40.1 |      | 40.1 | 1006 | 90.7        | 90.7                       |         |       | 7 90 |     |         | 0      |       | 7    | 0.7   |
|            |    | 92.0 | 1     | 92.0 | 92.0 | 92.0 | 92.0 | 95.0        | 3.                         | 5.      | 0 92. | 26 0 | 0   | 0.26    | 3      | 0 92  | 0    | 2.0   |
| 1500       |    | 96.7 |       | 96.7 | .0   |      |      | 96.7        | 96.7                       | 96.     | 7 96. |      | 1   | •       |        |       | 7    | 6.7   |
|            |    | 98.0 | 1     | 98.0 | 98.0 | 98.0 | •    | 98.0        |                            | 98.     | 0 98. | 0 98 | 0   |         | æ      | 0     | 0    | 8.0   |
| 1000       |    | 98.7 |       | 98.7 |      |      |      | 100.0       | 100.0                      | 100.    | 0100  | 0100 | 3   |         |        | -     | 010  | 0.0   |
|            |    | 98.7 | 1     | 98.7 | 66.3 | 66.3 |      | 100.0       | 10000                      | 100.    | 0100  | -    | .01 | 0       |        |       | 010  | 00.00 |
| 08<br>AI   |    | 98.7 |       | 98.7 | 99.3 | 86.3 |      | 100.0       | 100.0                      | 100.    |       | -    | 0   | 0       |        | 9     | 010  | 0.0   |
|            |    | 98.7 | 98.7  | 98.7 | 99.3 | 66.3 | 66.3 | 100.0       | 100.0                      | 100.    | 0100  | 0100 | 3   |         | -      | 0100  | 010  | 0:0   |
| 8          |    | 98.7 | 98.7  | 98.7 | 99.3 | 66.3 | 66.3 | 100.0       | 100.0                      | 100.    | 0100  | 0100 | .0  | 0.00    | 2      | 0100  | 010  | 0.0   |
|            |    | 98.7 | 98.7  | 98.7 | 66.3 | 66.3 | 66.3 | 100.0       | 100.0                      | 100.    | 0100  | 0100 | .0  | •       | 100    | 0100  | 010  | 0.0   |
| 8          |    | 98.7 | 98.7  | 98.7 | 99.3 | 66.3 | 99.3 | 100.0       |                            | 100.    | 10    | 0100 | 3   |         |        | 2     | 010  | 0.0   |
|            |    | 98.7 | 1.86  | 98.7 |      | 99.3 |      | 100.0       | 0                          | 100.    | 0100  | 0100 | 6   | 0       |        | 2     | 010  | 0.0   |
| 7 200      |    | 98.7 | 98.7  | 98.7 | 66.3 | 99.3 | -    | 100.0       | 100.0                      | 100.    | 2     | 0100 | .01 |         | 100    | 0010  | 9    | 0     |
| 91         |    | 98.7 | 98.7  |      | 99.3 |      |      | 100.0       |                            | 100     | 0100  | -    | 6   |         |        | 0100  | 010  | 0.0   |
|            |    | 98.7 | 1.86  | 98.7 | 99.3 | 66.3 | 99.3 | 100.0       | 100.0                      | .0100.0 | 0100  | 000  | 6   | 00.00   | 0100   | 0100  | 0100 | 0     |

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

AGANA, GUAM

19 HOURS (L S T )

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

| CEILING    |    |      |           |         |         |       | VIS     | VISIBILITY (STATUTE MILES) | ATUTE MILI | ES)     |         |         |         |        |         |       |
|------------|----|------|-----------|---------|---------|-------|---------|----------------------------|------------|---------|---------|---------|---------|--------|---------|-------|
| (FEET)     | 71 | ٨١   | \$5<br>Al | 4       | e Al    | 2 2%  | %<br>Al | ¥1 ¥                       | VI VI      | -<br>Al | ≱<br>∧I | ∦<br>∧I | Z<br>Al | > 5/16 | AI      | ٥     |
| NO CEILING |    | 51.3 | 51.3      | 51.3    | 51.3    | 51.3  | 51.3    | 51.3                       | 51.3       | 51.3    | 51.3    | 51.3    | 51.3    | 51.3   | 51.3    | 51.3  |
|            |    | 1.01 | 76.7      | 14.7    | 10.0    | 70.7  |         |                            | 1000       | 7.6.7   | 1       |         | 76.7    | 7.5.   | 1.0     |       |
| 1 41       |    |      | 76.7      | 76.7    | 76.7    | 7     | 7       | 76.7                       | 76.7       | 76.7    | 76.7    | 76.7    | 76.7    | 76.7   | 76.7    | 76.7  |
| N 14000    |    |      | 79.3      | 79.3    | 79.3    | 79.3  | 79.3    | 79.3                       | 79.3       | 79.3    | 79.3    | 79.3    | 79.3    | 79.3   | 79.3    | 79.3  |
| ≥ 12000    |    |      | 81.3      | 81.3    | 81.3    | 81.3  | 81.3    | 81.3                       | 81.3       | 81.3    | 81.3    | 81.3    | 81.3    | 81.3   | 81.3    | 81.3  |
| V 10000    |    |      | 88.0      | 88.0    | 88.0    | 88.0  | 88.0    | 88.0                       | 88.0       | 88.0    | 88.0    | 00      | 88.0    | 88.0   | 88.0    | 88.0  |
| 000        |    |      | 90.0      | 90.0    | 90.0    | 90.0  | 90.0    | 90.0                       | 0.06       | 90.0    | 90.0    | 90.0    | 90.0    | 90.0   | 90.0    | 90.0  |
| 0008 1     |    |      | 92.7      | 92.7    | 92.7    | 92.7  | 92.7    | 92.7                       | 92.7       | 92.7    | 92.7    | 92.7    | 92.7    | 92.7   | 92.7    | 92.7  |
| × 7000     |    |      | 93.3      | 93.3    | 93.3    | 93.3  | 93.3    | 93.3                       | 93.3       | 93.3    | 93.3    | 100     | 93.3    | 93.3   | 93.3    | 93.3  |
| 0009 1     |    |      | 93.3      | 93.3    | 93.3    | 93.3  | 93.3    | 93.3                       | 93.3       | 93.3    | 93.3    | 93.3    | 93.3    | 93.3   | 93.3    | 93.3  |
|            |    |      | 93.3      | 93.3    | 93.3    | 93.3  | 93.3    | 93.3                       | 93.3       | 93.3    | 93.3    | 93.3    | 93.3    | 93.3   | 93.3    | 93.3  |
| 1          |    | 93.3 | 93.3      | 93.3    | 93.3    | 93.3  | 93.3    | 93.3                       | 93.3       | 93.3    | 93.3    | 93.3    | 93.3    | 93.3   | 93.3    | 93.3  |
| ≥ 4000     |    |      | 94.7      | 7.46    | 94.7    | 94.7  | 94.7    | 94.7                       | 94.7       | 94.7    | 94.7    |         | 94.7    | 94.7   | 94.7    | 7.46  |
| > 3500     |    |      | 1.96      | 7.96    | 7.96    | 96.7  | 96.7    | 96.7                       |            | 96.7    | 96.7    | 96.7    |         |        | 96.7    | 96.7  |
| > 3000     |    |      | 98.0      | 98.0    |         | 98.0  | 98.0    | 98.0                       | 98.0       | 98.0    | 98.0    | 0       | 98.0    | 98.0   | 98.0    | 98.0  |
| > 2500     |    |      | 98.0      | 98.0    | 98.0    | 1000  |         | 98.0                       |            | 98.0    | 98.0    |         | 98.0    |        | 98.0    | 98.0  |
| - 1        |    |      | 98.7      | 98.7    | 98.7    | 98.7  | 98.7    | 98.7                       | 98.7       | 98.7    | 98.7    |         | 98.7    | 98.7   | 98.7    | 7.86  |
| N 1800     |    |      | 98.7      | 98.7    | 98.7    | 98.7  | 98.7    | 7.86                       | 98.7       | 98.7    |         |         |         | 98.7   | 98.7    | 4.96  |
| - 1        |    |      | 99.3      | 99.3    | 99.3    | 86.3  | 99.3    | 99.3                       | 99.3       | 99.3    | 99.3    |         |         | 99.3   | 86.3    | 66.66 |
| N 1200     |    |      | 8.66      | 86.66   | 66.66   | 86.3  | 99.3    | 99.3                       | 99.3       | 866     |         | 99.3    |         |        | 86.66   | 99.3  |
|            |    |      | 86.66     | 99.3    | 99.3    | 99.3  | 66.3    | 99.3                       | 99.3       | 66.3    | 99.3    | 99.3    | 99.3    | 99.3   | 99.3    | 66.66 |
| 00<br>AI   |    |      | 66.3      | 10001   | 100.00  | 100.0 | 100.0   | 100.0                      | 100.0      | 100.0   |         | 100     |         | 100.0  | 100.001 | 0000  |
|            |    |      | 66.3      | 100.001 | 100.00  | 100.0 | 100.0   | 100.0                      | 100.0      | 100.0   | 100.0   | 100.0   | 100.0   | 100.0  | 100.0   | 0000  |
| 78         |    |      | M         | 100.001 | 100001  | 100.0 | 100.0   | 100.0                      | 100.0      | 100.0   | 100.0   | 100.0   | 100.0   | 100.0  | 100.001 | 0000  |
| N 600      |    |      | m         | 100.001 | 100.001 | 100.0 | 100.0   | 100.0                      | 100.0      | 100.0   | 100.0   | 10000   | 2       | 100.0  | 100.001 | 0.00  |
| > 300      |    | 98.7 |           | 100.001 | 100.001 | 100.0 | 100.0   | 100.0                      | 100.0      | 100.0   | 0       | 10      |         | 100.0  | 100.0   | 0.00  |
|            |    |      |           | 0       | 100.0   | 100.0 |         | 100.0                      | 100.0      | 100.0   | 100.0   | 100.0   | 100.0   | 100.0  | 100.0   | 0.00  |
| 30         |    | 98.7 | m         | 100.001 | 100.00  | 100.0 | 100.0   | 100.0                      | 100.0      | 100.0   |         | 100     | 2       | 10000  | 100.0   | 0.00  |
|            |    | 98.7 | £75       | 100.00  | 100.001 | 100.0 | 100.0   | 100.0                      | 100.0      | 100.0   | 100.0   | 10000   | -       | 100.0  | 100.0   | 0000  |
| 8          |    | 98.7 | 66.3      | 100.001 | 100.00  | 100.0 | 100.001 | 9                          | 0          | 10000   | 100.0   | 100     | 10000   | 100.0  | 100.0   | 0.001 |
|            |    | 98.7 | 66.3      | 100.001 | 100.001 | 100.0 | 9       | 100.0                      | 100.0      | 100.0   | 100.0   | 100.0   | 100.0   | 100.0  | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

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### CEILING VERSUS VISIBILITY

STATION NAME

AGANA, GUAM

22 HOURS (LST.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

92.0 ٨١ 92.0 92.0 82.7 92.0 92.0 0.46 0.46 0.46 0.86 66.66 0.46 99.3 88.7 91.3 7.96 92.7 A 78.0 0.46 0.46 78.0 92.0 0.46 0.86 92.0 92.0 92.0 0.46 86.66 66.3 0.46 87.3 80.7 92.7 96.7 ≥ 5/16 92.0 0.46 0.46 0.86 92.0 0.46 0.46 0.46 87.3 92.0 92.0 66.3 82.7 91.3 92.7 99.3 99.3 88.7 80.7 80.7 80.7 AI 78.0 87.3 0.86 0.46 92.0 0.46 78.0 61.3 92.0 92.0 0.46 82.7 92.0 0.46 99.3 92.7 0.46 96.7 AI 78.0 87.3 92.0 92.0 0.46 0.46 66.3 78.0 92.0 92.0 8.66 0.46 0.46 0.46 7.96 61.3 0.86 82.7 88.7 ٨I 0.46 78.0 78.0 87.3 87.3 87.3 92.0 0.46 66.3 92.0 94.0 94.0 99.3 99.3 99.3 0.46 0.46 92.0 92.7 98.0 98.0 92.0 80.7 ٨I VISIBILITY (STATUTE MILES) 0.46 92.0 0.46 0.46 92.0 92.0 0.46 86.3 78.0 78.0 92.7 91.3 91.3 92.0 92.0 71 7 0.46 0.26 0.46 0.86 92.0 0.46 99.3 46.7 0.46 92.0 7 1 0.96 0.46 87.3 92.0 0.46 0.46 92.0 92.0 92.0 0.46 98.0 66.3 66.3 92.7 95.0 92.0 0.46 0.46 0.46 94.0 0.46 92.0 87.3 87.3 87.3 0.46 0.86 96.7 98.7 98.7 98. 98.7 58 98 2 2/2 78.0 92.0 0.46 92.0 92.0 92.0 0.46 92.0 92.0 0.46 0.46 92.7 92.7 80.7 80.7 98.7 98.7 98. ۳ ۸۱ 78.0 0.46 0.46 92.0 92.0 0.46 0.46 0.46 0.86 91.3 78.0 0.46 98.7 82.7 88.7 96.7 98.7 7.86 ٨١ 87.3 78.0 61.3 0.46 98.0 0.86 0.86 0.86 82.7 92.0 0.26 92.0 0.46 0.46 0.46 7.96 0.86 98.0 98.0 78.0 88.7 92.7 AI 87.3 0.46 0.46 91.3 0.46 0.46 0.86 98.0 0.86 92.0 0.86 92.0 92.0 98.0 0.86 0.86 0.36 98.0 7.26 7.96 98.0 98.0 Al 2 NO CEILING 71 Y 1800 16000 (FEET) ¥ 20000 12000 2000 1800 88 88 80 9000 450 60 60 60 3000 2000 8 8 88 88 AI AI ALAI ALAI AI AI ALAL AI AI AI AI ALAI AI AI AI AI AIAI AI AI

TOTAL NUMBER OF OBSERVATIONS

150

HOURS (187

1234-18766

2

1200

TOTAL NUMBER OF OBSERVATIONS

**CEILING VERSUS VISIBILITY** 

AGANA, GUAM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |     |         |       |      |      |      | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES)     |         |         |       |        |        |       |
|------------|-----|---------|-------|------|------|------|------|-------------|----------------------------|---------|---------|---------|-------|--------|--------|-------|
| (FEET)     | N 5 | 9<br>Al | \$ 11 | AI   | £ 1  | ≥ 2% | 2 4  | ۲۱<br>۱۳    | ¥1 Y                       | <u></u> | ¾<br>Al | ₽<br>Al | Z AI  | > 5/16 | AI     | ٨١    |
| NO CEILING |     | 53.1    |       | 53.1 | 53.1 | 53.1 | 53.1 | 53.1        | 53.1                       |         | 53.     | 8       | 53.1  | 53.1   | 53.1   | 53.1  |
| > 20000    |     |         | 72.3  | 72.3 | 72.3 | 72.3 | -    | ~           | 72.3                       | 72.3    | 72.     | 72.3    | 72.3  | 72.3   | 72.3   | 72.3  |
|            |     | 72.8    | 72.8  | 72.8 | 72.8 | 72.8 | 72.8 | 72.8        | 72.8                       | 72.8    | 72.8    | 1       | 72.8  | 72.8   | 172.8  | 72.8  |
| 00091      |     |         |       | 73.1 | 73.1 | 73.1 |      | 73.1        | 73.1                       | 73.1    | 73.1    | 73.1    | 73.1  | 73.1   | 73.1   | 73.1  |
|            |     | 74.9    | 74.9  | 74.9 | 74.9 | 74.9 | 74.9 | 74.9        | 74.9                       | 74.9    | 74.9    | ~       | 74.9  | 74.9   | 74.9   | 74.9  |
| > 12000    |     | 78.6    | 78.6  | 78.6 | 78.6 | 78.6 | 78.6 | 78.6        | 78.6                       | 78.6    | 78.6    | 78.6    | 78.6  | 78.6   | 78.6   | 78.6  |
|            |     | 84.2    |       |      | 84.2 | 84.2 | 84.2 | 84.2        | 84.2                       | 84.2    | 84.2    | 84.2    | 84.2  | 84.2   | 84.2   | 84.2  |
| 0006 AI    |     | 86.1    | 86.1  | 86.1 | 86.1 | 100  | 86.1 | 86.1        | 86.1                       | 86.1    | 86.1    | 86.1    | 86.1  | 86.1   | 86.1   | 86.1  |
|            |     |         | 88.3  | 88.3 | 88.3 | 88.3 | 88.3 | 88.3        | 88.3                       | 86.3    | 88.3    | 88.3    | 88.3  | 88.3   | 88.3   | 88.3  |
| 7000       |     |         | 88.6  | 88.6 |      | 88.6 |      | 88.5        | 88.6                       | 88.6    | 88.6    | 00      | 88.6  | 88.6   | 88.6   | 88.6  |
|            |     | 88.6    | 88.6  | 38.6 |      |      |      |             | 88.6                       | 88.6    | 88.6    | 88.6    | 88.6  | 88.6   | 88.6   | 88.6  |
| 2000       |     |         |       | 88.9 | 88.9 | 68.9 | 88.9 | 88.9        | 88.9                       | 88.9    |         | 88.     | 88.9  | 88.9   | 88.9   | 86.9  |
|            |     |         |       | 89.2 |      | 89.2 | 89.2 | 89.2        | 89.2                       |         | 80      | တ       | 80    | 0      |        | 89.2  |
| 4000       |     |         | 89.9  |      | 6    |      |      | 6           | 6.68                       | 6       | .68     | 89.     | 89.   | 89.    | 89.    | 89.9  |
|            |     |         |       |      | 91.1 | 91.1 | 91.1 | 91.1        | 91.1                       | 91.1    |         | 91.1    |       | 91.1   | 91.1   | 91.1  |
| > 3000     |     |         |       | 91.9 | 91.9 |      | -    | 91.9        | -                          | 91.9    | 91.     | 91.     | 91.   | 0      | 91.9   | 6116  |
|            |     | 92.3    | 92.3  |      | 92.3 |      | 92.3 | 92.3        | 92.3                       | 2.      | 0       | 92.     | 92.   | 0      | 1 92.3 | 92.3  |
| 1 2000     |     |         |       | 95.6 | •    | 95.6 |      | 95.6        | 95.0                       | 95.6    | 92.     | 0       | 95.6  | 95.6   | 95.6   | 95.6  |
|            |     |         |       | 93.3 |      | 93.3 |      | 93.3        | 93.3                       | 93.3    | 3       | 0       | 3     | 93.3   | 93.3   | 93.3  |
| N 1500     |     |         |       | 96.8 | 96.8 | 96.8 | 96.8 | 96.8        | 96.8                       | 96.8    | 96.8    | 2       |       | 96.8   | 8.96   | 96.8  |
| 1200       |     |         |       | 0.66 | 99.1 | 99.1 | 1.66 | 1.66        | 99.1                       | 99.1    |         | •       |       | 99.1   | 99.1   | 99.1  |
| 000        |     |         | 1.66  | 99.3 | 9.66 | 966  | 7.66 | 99.8        | 8.66                       | 8.66    | 8.66    | 0       | 99.8  | 99.8   | 8.66   | 8.66  |
| 96<br>AI   |     | 98.7    | 1.66  | 4.66 | 7.66 | 49.7 | 8.66 | 99.8        | 8.66                       | 8.66    |         | 99.     |       | 99.8   | 8.66   | 8.66  |
|            |     |         |       | 4.66 | 7.66 | 99.7 | 8.66 | 6.66        | 6.66                       | 6.66    | 6.66    | 6       | 0     | 6.66   | 6.66   | 6.66  |
|            |     |         |       | 99.5 | 8.66 |      |      | 100.00      | 100.                       | 100.0   | 100.0   | 10000   | 2     | 10     | 10     | 10000 |
| 9<br>AI    |     |         | 99.2  | 99.3 | 96.8 | 99.8 | 8.66 | 100.00      | 100.0                      | 100.0   | 100.    | 20      | 10    | 100.0  | 100    | 100.0 |
|            |     |         |       | 66.5 |      | 8.66 |      | 100.00      | 100.0                      | 100.0   | 10      | 10      | 2     | 10     | 10000  | 100.0 |
| 007        |     |         |       | 66.5 |      |      | 6    | 100.0       | 100.0                      | 100.0   | 100.    | 1001    | 100   | 100.0  | 100    | 100.0 |
| 300        |     | 98.8    | 99.2  | 66.5 | 6    | 96.8 | 8.66 | 100.0       | 100.0                      | 100.0   | 100     | 100.    | 100   | 2      | 2      | 100.0 |
| 1 30       |     |         |       | 96.5 | •    | 99.8 | 90.8 | 100.0       | 100.0                      | 100.0   | 100.    | 100     | 2     | 100.0  | 10000  | 100.0 |
| 8          |     |         | 80.66 | 60.8 | 8.66 | 8.66 |      | 100.0       | 100.0                      |         | 100     | 100     | 2     | -      | 2      | 100.0 |
| 0 1        |     |         |       | 99.5 | 8.66 | 99.8 | 8.66 | 100.0       | 100.00                     | 100.0   | 100.0   | 1000.0  | 100.0 | 100.0  | 10000  | 100.0 |

NAVWEASERVCOM

10 NOUNE

CEILING VERSUS VISIBILITY

1234-18766

AGANA, GUAM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CALLE      |    |         |       |       |       |         | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | (S)     |         |            |           |        |        |       |
|------------|----|---------|-------|-------|-------|---------|---------|-------------|----------------------------|---------|---------|------------|-----------|--------|--------|-------|
| (FEET)     | 71 | ٥<br>٨١ | \$ 11 | 4     | e Al  | 2 2%    | 7       | 41 7        | 7                          | -<br>AI | *<br>Al | # AI       | Z AI      | 2 5/16 | AI AI  | 0 11  |
| NO CEILING |    | :       | 52.9  | 52.9  |       |         | 52.9    | 52.9        | 52.9                       | 52.9    | 52.9    | 52.9       | 3.        | 52.9   | 52.9   | 52.9  |
| Z 20000    |    | :       | 69.0  | 0.69  | 0.69  | 0.60    | 69.0    | 0.69        | 69.0                       | 0.69    |         |            | 0.69      | 69.0   | 69.0   | 0.69  |
| 7 18000    |    | :       |       |       |       | 6       | 6       | 0.69        | 0.69                       |         | 69.0    | 0.69       | 0.69      | 0.69   | 0.69   | 0.69  |
| 2 16000    |    | :       |       | 0.69  | 0.69  | 0.69    |         | 69.0        | 0.69                       | 0.69    |         | 0.69       | 0.69      | 69.0   | 0.69   | 0.69  |
| > 14000    |    | :       | -     |       | 6     |         | 6       |             | 69.7                       |         |         |            | 69.7      | 69.7   | 1.69   | 69.7  |
| > 12000    |    | :       |       | 73.6  | 73.6  | 73.6    |         | 73.6        | 73.6                       | 73.6    | 73.6    | 73.6       | 73.6      | 73.6   | 73.6   | 73.6  |
|            |    | :       | 81.3  |       | 81.3  | Same.   | 81.3    | 81.3        | -                          | 10000   |         | 1:         | 1:        | -      | 81.    | 81.3  |
| 0006       |    | •       |       | 82.5  | 82.6  | 82.6    | 2.      |             | 82.6                       | 82.6    | 2       |            | 82.6      | 82.6   |        | 82.6  |
|            |    | :       | -     | 85.8  | 85.8  | 200     |         | 85.8        | 85.8                       |         |         | 85.8       |           | 40.5   | 00     |       |
| 7000       |    | -       |       | 86.5  | •     | 86.5    | 86.5    | •           | •                          | 86.5    |         |            | 86.5      | 86.5   | 86.5   | 86.5  |
| 1          |    | :       |       | 87.1  | 87.1  | 87.1    | 87.1    | 87.1        | 87.1                       | 87.1    | 87.1    | 87.1       | 87.1      | 87.1   | 87.1   | 87.1  |
| 2000       |    | :       | 87.7  | 87.7  | 87.7  | 87.7    | 87.7    | 87.7        | 87.7                       | 87.7    |         | 87.7       | - Table 1 | 87.1   | -      | 87.7  |
|            |    | 87.7    | 88.4  | 4.88  | 4.88  | 88.4    | 88.4    | 4.88        | -                          | 88.4    | 88.4    | 4.88       |           | 88.4   | -      | 88.4  |
| 4000       |    | -       | 88.4  | 4.88  | 88.4  | 88.4    | 88.4    | 88.4        | \$8.4                      | 88.4    |         | 88.4       |           | 88.4   | 88.4   | 88.4  |
|            |    |         | 89.7  | 89.7  | 89.7  | 89.7    | 89.7    | 89.7        | 89.7                       | 89.7    | 89.7    | distance . | 89.7      | T      | 1 89.7 | 89.7  |
| 3000       |    | -       | 92.3  | 92.3  | 92.3  | 92.3    | 92.3    | 92.3        | 92.3                       | 92.3    | 92.3    | 92.3       | 92.3      | 92.3   | 1 92.3 | 92.3  |
| 1          |    | -       |       |       | 93.6  | •       |         | 93.6        |                            | 3.      | •       |            | 3         | 3.     | 93.    | 93.6  |
| 7 2000     |    | -       | 93.6  | 93.6  | 93.6  | 93.6    | 93.6    | 93.6        | 93.6                       | 93.6    | 3       |            |           | 93.6   |        | 93.6  |
|            |    | :       | 93.6  | 3     |       |         | 93.6    | 93.6        | 93.6                       |         | 93.6    | 3          | 93.6      | 93.6   | 93.    | 93.6  |
| 2 1500     |    | :       | 94.8  | 8. 96 | 94.8  | 94.8    | :       | :           | 8.46                       | 94.8    | :       | 84.8       | :         | 94.8   | 8.46   | 8.46  |
|            |    |         |       |       | 4.16  | 97.4    | 1.      |             | -                          | 97.4    | -       | -          | 97.       | 97.4   | 97.    | 97.4  |
| 2 1000     |    | -       | 98.1  | 98.71 | 00.00 | 10001   | 100.001 | 100.001     | 100.00                     | 100.00  | 0       | 100        | 8         | 0      | 100    |       |
|            |    | 97.4    | 98.1  |       | 00.00 | 0       | 100.001 | 0           | 0                          | 0       |         | 100        | 0         | 0      | 0      | 100.0 |
| 008        |    | 97.4    | 98.1  | 98.71 | 00.00 | 100.001 | •       | 100.001     | 100.00                     | •       | 0       | 100        |           | 100    |        | 00.00 |
|            |    | 97.4    | 1.86  |       | 00.00 |         |         |             | 0                          |         | 100.0   | 0          | 0         |        | 100    | 1000  |
| 9<br>Al    |    | 97.4    | 98.1  | 98.71 | 00.00 | 100.001 | 100001  | 100.001     | 100.00                     | 100.00  |         | 0          | 0         |        | 0      | 100   |
|            |    | 97.4    | 98.1  | 98.71 | 00.00 | 6       | 100.001 | 100.00      | 100.001                    | 0       |         | 0          | 0         | 0      | 100    |       |
| 400        |    |         | 1.86  | 98.71 | 00.00 |         | 100.001 | 100.001     | 100.001                    | 100.00  | 0       | 0          | 0         | 0      | 100    | 100.0 |
|            |    | 97.4    | 98.1  | 98.71 | 00.00 |         | 100.001 |             |                            | 100.00  | 0       | 100        | 0         | 0      | 100    | 100.0 |
| > 200      |    |         | 98.1  | 98.71 | 00.00 | 1000    | 100.001 | 100.0       | 100.00                     | 100.00  | 0       | 100        |           | 0      | 2      | 100   |
| V 100      |    |         | 98.1  | 98.71 | 00.00 |         | 100.001 | 100         | -                          | 0       |         | 100.0      |           |        | 100    | 100.0 |
| 0          |    | 97.4    | 98.1  | 98.71 | 00.00 | 0.001   | 100.001 | 100.00      | 100.001                    | 100.00  | 0001    | 100.0      | 0.001     | 100.   | 0100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

155

TOTAL NUMBER OF OBSERVATIONS

0

# CEILING VERSUS VISIBILITY

| ACA                   | AGANA, GUAM |          | STATION NAME |        |                                       |        | 73            | 73-77                      |            | YEARS   | 2       |            |         | 1       | LILI        | 1       |
|-----------------------|-------------|----------|--------------|--------|---------------------------------------|--------|---------------|----------------------------|------------|---------|---------|------------|---------|---------|-------------|---------|
|                       |             |          |              | PERCE! | PERCENTAGE FREQUENCY (FROM HOURLY OBS | FREQUE | UENC<br>LY OB |                            | CCUR       | Ä (     | ш       |            |         |         | NOURS (1.5  | j.      |
| CEILING               |             |          |              |        |                                       |        | VIS           | VISIBILITY (STATUTE MILES) | ATUTE MILI | ES)     |         |            |         |         |             |         |
| (FEET)                | 5 1         | ۰<br>۸۱  | \$ 11        | AI     | e VI                                  | 2 2%   | 2 2           | ۲۱<br>۲۱                   | ¥1 VI      | -<br>AI | ₹<br>Al | *          | N<br>Z  | ≥ 5/16  | M<br>Al     | ٥       |
| MO CEILING            |             | 39.4     |              | 59.4   | 59.4                                  | 76.8   | 74.8          | 76.8                       | 76.8       | 59.4    | 76.8    | 76.8       | 76.8    | 76.8    | 76.8        | 59.4    |
| 18000<br>1 18000      |             | 76.8     | 76.          | 76.8   | 76.8                                  | 76.8   | 76.8          | 76.8                       | 200        | 76.8    | 76.8    | 76.8       | 76.8    | 76.8    | 76.8        | 76.8    |
| 14000                 |             | 78.1     | 78.          | 78     | 78.1                                  | 78.1   | 78.1          | 78.1                       | 78.1       | 78.1    | 18.1    | 78.1       | 78.1    | 78.1    | 78.1        | 78.1    |
| 9000<br>0000<br>0000  |             | 89.7     |              | 89.7   | 89.7                                  | 89.7   | 89.7          | 92.3                       | 89.7       | 89.7    | 89.7    | 89.7       | 89.7    | 89.7    | 89.7        | 89.7    |
| VIVI<br>000<br>000    |             | 93.6     | 93.          |        | 93.6                                  | 93.6   | 93.6          | 93.6                       | 93.6       | 93.6    | 93.0    | 93.6       | 93.6    | 93.6    | 93.6        | 93.6    |
| 000<br>AI AI          |             | 94.2     | 94.          |        | 94.2                                  | 94.2   | 94.2          | 94.2                       | 94.2       | 4 4     | 94.2    | 94.2       | 94.2    | 94.2    | 94.2        | 94.2    |
| 4200                  |             | 94.2     | 94.2         |        |                                       | 3 3    | 94.2          | 94.2                       | 94.2       | 3 4     | 94.2    | 94.2       | 94.5    | 44      | 94.2        | 94.2    |
| 3300                  |             | 94.2     | 96           |        | 40                                    | 94.2   | 94.2          | 94.2                       |            |         | 94.2    | 94.2       | 94.2    | 94.2    | 94.2        | 94.2    |
| 7 200                 |             | 9.96     | 96           | 38     | 96.8                                  | 96.8   | 96.8          | 96.8                       | 96.8       | 96.8    | 96.8    | 96.8       | 96.8    | 96.8    | 96.8        | 96.8    |
| 98.00                 |             | 96.8     |              | 96     | 96.                                   | 96.8   | 000           | 96.8                       | 96.8       | 96.8    | 96.8    | 96.8       | 96.8    | 96.8    | 96.8        | 96.8    |
| Y1 Y1<br>1200<br>1000 |             | 100.0    | 00           | 0.00   | 100.0                                 | 00     | 00            | 100                        | 00         | 100     | 0.0010. | .0100.0100 | 00      | 0100.0  | 0100.0      | 0100.0  |
| 8 8<br>AI AI          |             | 100.0    | 00           | 80     | 0000                                  | 0000   | 0100.0        | 100.0                      | 0.0010.    | 100.0   | 00      |            | 00      | 00.00   | 00100.0100. | 0000    |
| 8 8<br>8 8            |             | 1000-0   | 00           | 100.0  | 000                                   | 0000   | 00            | 20                         | 0100.0100  | 00      | 0000    | 100.001    | 00      | 100.00  | 0100.0100   | 000     |
| 8 8                   |             | 100.0    | 00           | 100.0  | 0.001                                 | 00     | 100.0         | 100                        | 100.0      | 00      | 100.0   | .0100.010. | 0.0     | 0100.0  | 0100.0      | .0100.0 |
| 38                    |             | 100.0    | 00           | 100.0  | 0000                                  | 00     | 100.0         | 100.0                      | 100.0      | 100.0   | 100.00  | 100.001    | 0100.0  | 100.00  | 100.001     | 0100.0  |
| 80                    |             | 100.0100 | 00           | 100.0  | 100.001                               | 100.0  | 100.0         | 100.0                      | 100.001    | 0000    | 100.0   | 100.001    | 100.001 | 100.001 | 100.0       | 0100.0  |

87.7

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12000

800 7000 000

AI AI

9000

ALAI

3000

11 11

4500

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1800

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ALAI

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AI AI

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88

AI AI

66.5

4.89 74.2

2.59

CEILING VERSUS VISIBILITY

89.0 0.68

88.4

91.6

91.6

91.6

2.46

97.4

91.0

91.0

91.6

91.6

89.0

89.0

89.0

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HOURS (LST

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES)

AI

2

(FEET)

NO CEILING

VI VI 00081 00081

YEARS

STATION NAME

AGANA, GUAM

00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0 89.0 91.6 34.5 0.68 89.0 91.0 91.6 68.4 65.2 66.5 74.2 88.4 88.4 88.4 88.4 81.3 87.7 87.7 2 5/16 89.0 89.0 89.0 91.6 \$8.4 91.0 91.0 91.6 2.46 81.3 87.7 89.0 89.0 89.0 74.2 87.7 2 ۸۱ 89.0 89.0 2.46 65.2 4.80 81.3 83.9 87.7 87.7 89.0 91.6 91.6 91.6 91.6 91.6 74.2 91.0 66.5 1.78 89.0 0.68 91.6 2.46 91.6 37.7 89.0 91.0 \* 83.9 89.0 91.0 2.46 89.0 89.0 9116 4.88 89.0 66.5 66.5 87.7 91.6 65.2 74.2 87.7 81.3 ٨I 0.68 89.0 0.68 91.6 91.6 9116 2.46 87.7 0.16 87.7 88.4 88.4 89.0 89.0 7 91.6 0.68 0.68 91.6 89.0 0.68 91.0 91.6 74.2 2.46 87.7 87.7 81.3 87.7 66.5 66.5 7 9.16 65.2 89.0 4.88 0.68 91.0 34.5 89.0 9116 81.3 74.2 87.7 4 89.0 89.0 991.0 89.0 4.80 94.2 65.2 74.2 61.3 88.4.88.4 91.6 91.6 89.0 89.0 87.7 87.7 1 2% 91.0 91.6 89.0 2.46 87.7 91.6 81.3 37.7 N Al 91.6 87.7 87.7 0.68 0.68 0.68 91.0 4.88.4.88 34.5 89.0 89.0 91.6 91.6 60.3 4.89 91.6 65.2 81.3 0.68 67.7 4 66.5 0.68 91.0 91.6 2.46 89.0 91.6 83.9 87.7 N Al 89.0 91.6 91.6 91.6 4.89 89.0 89.0 91.0 65.2 81.3 87.7 89.0 2.46 66.5 87.7

TOTAL NUMBER OF OBSERVATIONS

00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0

00.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0100.0

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# CEILING VERSUS VISIBILITY

73-77

AGANA, GUAM

|            |   |         | _    | ERCEI | PERCENTAGE<br>(FROM I | FREQUE | _     | ACY OF OCCURE<br>OBSERVATIONS) | CCUR       | RENC<br>3) | ш    |         |      |        | TO SUCON |       |
|------------|---|---------|------|-------|-----------------------|--------|-------|--------------------------------|------------|------------|------|---------|------|--------|----------|-------|
| CEILING    |   |         |      |       |                       |        | VISI  | VISIBILITY (STATUTE MILES)     | ATUTE MILE | (\$)       |      |         |      |        |          |       |
| (FEET)     | 2 | ø<br>Al | \$ 1 | AI AI | £ 11                  | Y 2%   | 7     | ٧١<br>۶۲                       | VI<br>3.   | - AI       | AI   | ∦<br>Al | N N  | ≥ 5/16 | AI .     | ٨١    |
| NO CEILING |   | 34.8    | 34.8 | 34.8  | 34.8                  | 34.8   | 34.8  | 34.8                           | 34.8       | 34.8       | 34.8 | 34.8    | 34.8 | 34.8   | 34.8     | 34.8  |
| > 20000    |   | 59.4    | 6    | 59.4  | 59.4                  | 59.4   | 0     | 59.4                           | 6          | 39.4       | 6    | 59.4    | 59.4 | 59.4   | 59.4     | 59.4  |
| ≥ 18000    |   | \$9.4   | 59.4 | 59.4  | 39.4                  | 59.4   | 59.4  | 59.4                           | 59.4       | 59.4       |      | 59.4    | 59.4 | 59.4   | 59.4     | 59.4  |
|            |   | 6       | 0    | 59.4  | 59.4                  | 59.4   | 59.4  | \$9.4                          | 59.4       | 59.4       | 6    | 5       |      | •      | 59.4     | 59.4  |
| N 14000    |   | 60.0    | 0.09 | 0.09  | 0.09                  | 0.00   | 0.09  | 0.09                           | 90.0       | 60.0       | 0.09 | 0000    |      | 0.00   | 0000     | 0000  |
|            |   |         | 0    |       | 69.0                  |        |       | 0.69                           |            |            |      | 0       | 69.0 |        | 69.0     | 69.0  |
| N 10000    |   | 78.1    | -    |       |                       | 78.7   | 78.7  | 78.7                           | 78.7       | 78.7       | 78.7 |         |      | 78.7   |          |       |
|            |   | 80.0    | 80.7 | 80.7  | 80.7                  | 80.7   | 80.7  | 80.7                           | 80.7       | 80.7       | 80.7 | 80.7    | 80.7 | 80.7   | 80.7     | 80.7  |
|            |   | 81.9    | 2.   | 82.6  | 3.                    | 83.2   | 83.2  | 83.2                           |            | 83.2       | 83.2 |         | 83.2 | 83.2   | 83.2     | 83.2  |
| ۲ 7000     |   | 81.9    | 2.   | 82.0  | 83.2                  |        | 83.2  |                                | 83.2       | 83.2       |      | 83.2    |      |        | 83.2     | 83.2  |
|            |   | 61.9    | 2.   | 82.6  | 3                     | 83.2   | 83.2  | 83.2                           |            | 83.2       |      | 83.     | 83.2 | 83.2   | 83.2     | 83.2  |
| 2000       |   | 81.9    | 2.   | 82.6  |                       | -      | 3     |                                |            | 83.2       |      | 83.     |      |        | 83.2     | 83.2  |
|            |   | 81.9    | 82.6 | 82.6  | 83.2                  |        | 83.2  | 83.2                           | 3.         | 83.2       |      | 83.     |      |        | 83.2     | 83.2  |
| 4000       |   | 81.9    | 2    | 82.6  |                       | 83.2   | 83.2  | 83.2                           |            |            |      | 83.     | 83.2 | 83.2   | 83.2     | 83.2  |
| > 3500     |   | 82.6    | 3    | 83.2  | 3.                    |        |       | 83.9                           | 83.9       | 3.         | 83.9 | 200     | 3    | 83.9   | 83.9     | 83.9  |
| 3000       |   | 83.2    | 3    | 83.9  | 84.5                  | 84.5   | 84.5  | 84.5                           | 84.5       | 84.5       |      | 84.     | 84.5 |        | 84.5     | 84.5  |
| > 2500     |   | 84.5    | 85.2 | 85.2  | 85.8                  | 85.8   | 85.9  | 85.8                           | 85.8       | 85.8       | 85.8 | 85.8    | 85.8 | 85.8   | 85.8     | 85.8  |
| > 2000     |   | 85.2    | 3    | 85.8  | 86.5                  |        | 0     | 86.5                           | 86.5       | 86.5       |      | 86.5    | 86.5 | 86.5   | 86.5     | 86.5  |
| 1800       |   | 86.5    | 87.1 | 87.1  | -                     | 87.7   | 87.7  | 87.7                           | 87.7       | :          | 87.7 | 87.7    |      | 87.7   | 87.7     | 87.7  |
|            |   | 90.3    | 4    | -     |                       | -      | -     | 91.                            | 91.6       | 91.        | •    | 2       | 71.0 | •      | 4        | 91.6  |
| 1200       |   | 2.50    |      | 95.5  | 1.96                  |        | 1.96  |                                | 100        | 1.96       |      |         | •    | •      |          | 100   |
|            |   | 1.96    | :    | 98.1  |                       |        | 0     | 00                             | 00.00      | 00         |      | 100     |      |        | 001      | 1000  |
| 88         |   | 1.96    | **   |       |                       | 0      | 0     | 100                            | 0.001      | 0001       | •    | 000     | •:   | •      |          | 1000  |
|            |   | 100     |      | 1006  |                       | 3 (    | 0     |                                | 0000       | •          | •    | 90      |      | •      | •        | 100.0 |
| 88         |   | 100     |      |       |                       |        | ċ     |                                | 000        |            |      | 001     | 000  |        |          | 1000  |
|            |   | 1.06    |      |       |                       |        | 0     |                                |            | .00        |      | 1001    | •    | 100.0  |          | 100   |
| 8          |   | 1.96    | 4.16 |       | 4.66                  |        | 0     |                                | 0          | 00         | 0    | 100     | 1000 | 100    |          | 1000  |
|            |   | 1.96    | 97.0 |       |                       |        | 0     | -                              | 0          | 00         | •    | 001     |      | 100    | •        | 100   |
| 88         |   | 1.00    |      |       | 400                   | •      | 0     | 100.00                         | •          | 0          | •    | 0001    | 000  | •      | 1000     | 1000  |
|            |   | 1.00    | 07   |       |                       | •      | •     | 000                            | •          | 0          | 5    | 4 -     |      | 5      | 5        | 000   |
| 80         |   |         | 07.  | 000   | 00                    | 000    | 0001  | 000                            |            |            |      |         |      |        |          |       |
|            |   | 100     |      |       |                       |        | • ] . | 5                              | •          |            | 5    |         | 5    |        | •        | 2001  |

TOTAL NUMBER OF OBSERVATIONS

1234-18766

2

### CEILING VERSUS VISIBILITY

AGANA, GUAM

73-77

HOURS (LST.)

RERE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |   |       |      | 1          |      |         | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES)  |        |        |         |        |       |        |
|------------|---|-------|------|------------|------|---------|---------|-------------|----------------------------|------|--------|--------|---------|--------|-------|--------|
| (FEET)     | 5 | ٨١    | 20   | <b>A</b> I | E AI | > 2%    | N<br>Al | VI 25       | ¥1 VI                      | ĀI   | AI     | AI AI  | VI<br>Z | ≥ 5/16 | VI N  | AI .   |
| NO CEILING |   | 31.0  | 31.0 | 31.0       |      |         |         | 31.0        |                            |      | 31.    | •      | 31.     | -      | 3     | 31.    |
| N 20000    |   | 58.7  | 58.7 | 58.7       | 58.7 | 58.7    | 58.7    | 58.7        | 58.7                       | 58.  | 7 58.  |        | 58.     | 7 58.  | 7 58. | 7 58.  |
|            |   | 59.4  | 59.4 | \$9.4      |      | \$6.4   |         | 59.4        | 59.4                       |      | 59.    | 1 59.4 | 59.4    | . 59.  | 4 59. | . 59.  |
| ≥ 16000    |   | 60.09 | 0.09 | 0.09       | 0.04 | 0.09    | 0.09    | 60.09       |                            | 60.  | .09    | 09 0   | 000     | 09 (   | •     | .09    |
|            |   | 61.3  | 61.3 | 61.3       | 61.3 | 61.3    | 61.3    | 61.3        | 61.3                       | 61.  |        | 3 61.3 | 61.     | 9 61.  | 3 61. | \$ 61. |
| 2 12000    |   | -     | 67.7 | 67.7       | 67.7 | 67.7    | 67.7    | 67.7        | 67.7                       | 67.  | 67.    | 7 67.  | 7 67.   | 7 67.  | 7 67. | 7 67.  |
|            |   | 74.8  | 74.8 | 74.8       | 74.8 |         |         | 74.8        | 74.8                       | 74.  | 74.    | ~      | 74.     | 3 74.  | 8 74. | 3 74.  |
| 0006       |   | 75.5  | 75.5 | 75.5       | 73.5 | 75.5    | 75.5    | 75.5        | 75.5                       | •    | 5 75.  | 5 75.9 | 75.     | 5 75.  | 5 75. | 5 75.  |
| 1          |   | 78.1  | 78.1 | 78.1       | 78.1 |         |         | 78.1        | 78.1                       |      | 78.    | •      | 78.     | 1 78.  | 1 78. | 78.    |
| 2000       |   | 78.1  | 78.1 | 78.1       | 78.1 |         | 78.1    | 78.1        | 78.1                       | 78.  | 1 78.  | 1 78.1 | 78.     | 1 78.  | 1 78. | 78.    |
| 1          |   | 78.1  | 78.1 | 78.1       | 78.1 | 78.1    | 78.1    | 78.1        | 78.1                       | 78.  | 1 78.  | 1 78.1 | .8      | 1 78.  | 1 78. | 1 78.  |
| 2000       |   | 78.7  | 78.7 | 78.7       | 78.7 |         | 78.7    | 78.7        | 78.7                       | 78.  | -      | 7 78.  | 7 78.   | 7 78.  | 7 78. | 7 78.  |
| 1          |   | 78.7  | 78.7 | 78.7       | 78.7 | 78.7    | 78.7    | 78.7        | 78.7                       | 78.  | 7 78.  | 7 78.7 | 78.     | 7 78.  | 7 78. | 78.    |
| 4000       |   | 78.7  | 78.7 | 78.7       | 78.7 |         | 78.7    | 78.7        | 78.7                       | 78.  | -      | 7 78.  | 78.     | 7 78.  | 7 78. | 78.    |
| 1          |   | 78.7  | 78.7 | 78.7       | 78.7 | 78.7    | 78.7    | 78.7        | 78.7                       | 78.  |        | 7 78.7 | 78.     | 7 78.  | 7 78. | 7 78.  |
| 3000       |   | 81.3  | 81.3 | 81.3       |      |         |         | 81.3        | 81.3                       | 81.  |        | 3 81.3 | 81.     | 3 81.  | 3 81. | 3 81.  |
|            |   | 83.2  | 83.2 | 83.2       | 83.2 |         | 83.2    | •           |                            |      | 83.    |        |         |        |       | 83.    |
| > 2000     |   | 83.9  | 83.9 | 83.9       | 83.9 | •       |         | 83.9        | -                          | 83.  |        | 83.    | 00      | 83.    | 83.   | 9 83.  |
|            |   | 85.2  | 85.2 | 85.2       | 3    |         | 85.2    | 3.          | 85.2                       | 5    | 85.    | 3.     | 00      | 85.    | 85.   | -      |
| 2 1500     |   | 93.6  |      | 94.2       | 94.2 | 8.56    |         | 94.8        | *                          | 94.  | 94.    | . *6   | 8 94.   | 94.    | 8 94. | 8 94.  |
|            |   | 95.5  | 95.5 | 1.96       |      | 4.76    |         | 97.4        | 97.4                       | 97.  | 4 97.  | 4 97.1 | 97.     | . 97.  | 4 97. | . 97.  |
| 1000       |   | 8.96  | 4.16 | 98.7       | 4.66 | 100.001 | 100.001 | 100.00      | 100.0                      | 100. | 100    |        | 100     | 0      | 100   | 0100.  |
|            |   | 96.8  | 4.16 | 7.86       | 4.66 | 100.001 | 100.001 | 100.001     | 10                         | 100. | 100    | 0100.0 |         | 100    | 100   | 0100.  |
| 08<br>Al   |   | 96.8  | 97.4 | 98.7       | 4.66 | 100.001 | 100.001 | 100.00      | 2                          | 100. | 0100.0 |        | 100     | 100    | 100   | 0100   |
|            |   | 96.8  | 97.4 | 98.7       | 4.66 | 100.001 |         |             | 100.                       | 100. | 100    |        |         | 0      | 0100. | 0100   |
| 8          |   | 96.8  | 4.76 | 7.86       | 4.66 | 100.001 | 100.001 | 100.0       | 100.0                      | 1001 |        | 0100.0 | 100     | 1001   | 0100  | 1000   |
|            |   | 96.8  | 97.4 | 7.86       | 4.66 | 100.001 | 100.001 | 100.00      |                            | 100. | 100    | 0100.0 | 100     | 0100   | 0100  | 0100   |
| 04         |   | 96.8  | 4.16 | 98.7       | 4.66 | 100.0   | 100.001 | 100.00      | 100.0                      | 100. | 0100.0 |        | 0100.0  | 0010   | 0100  | 0100   |
|            |   | 96.8  | 4.16 | 7.86       | 4.66 | 100.0   | 100001  | 100.0       | 100.0                      | 100  | 0100.0 | 0100   | 2       | 1000   | 0100  | 0100   |
| 14 28      |   | 96.8  | 97.4 | 98.7       | 4.66 | 100.0   | 100.0   | 100.0       | 100.0                      | 100. | 0100   | 0      | 0100.0  | 0100.  | 0100  |        |
| VI<br>8    |   | 96.8  | 4.16 | 1.86       | 1.66 | 10000   | 10000   | 100.0       | 100.0                      | 100  | 0100   | 100    | -       | 100    | 0100  | 0      |
|            |   | 96.8  | 97.4 | 98.7       | 4.66 | 100.0   | 100.001 | 100.00      | 100.0                      | 100. | 0100.0 | 0100.0 | 0100.0  | 0100   | 0100  | 100    |

TOTAL NUMBER OF OBSERVATIONS

155

## CEILING VERSUS VISIBILITY

| GE FREQUENCY OF OCCURRENCE | OBSERVATIONS) |
|----------------------------|---------------|
| PERCENTAGE FREQUE          | (FROM HOURLY  |

| CEILING    |     |         |      |      |         |       | VIS   | SIBILITY (ST | VISIBILITY (STATUTE MILES) | ES)  |       |         |       |      |        |      |      |
|------------|-----|---------|------|------|---------|-------|-------|--------------|----------------------------|------|-------|---------|-------|------|--------|------|------|
| (FEET)     | 0 1 | o<br>Al | 8    | AI   | ε<br>Al | > 2%  | 7     | ¥ XI         | Ž AI                       | ĀI   | ۸I    | ∦<br>Al | ٨١    | 2    | ≥ 5/16 | AI   | ٨١   |
| NO CEILING |     | 27.1    | 27.1 | 27.1 | 27.1    | 7     | 27.1  | 27.1         |                            | 7    | 2     |         |       | 7.1  |        | 27.  | 27   |
| ≥ 20000    |     | 59.4    | 59.4 | 59.4 | 59.4    | 59.4  | 59.4  | 59.4         | 59.4                       | 59.  | 4 59. | 4 59    | .4 5  | 4.6  | 59.4   | 59.  | 59   |
|            |     | 59.4    | 59.4 | 59.4 | \$9.4   | 6     | 6     | 59.4         |                            | 6    | 1     | 4 59    | .4 5  | 4.6  | 6      | 59.  | 65   |
| ≥ 16000    |     | 59.4    | 59.4 | 59.4 | 59.4    | 59.4  | 59.4  | 59.4         | 59.4                       | 59.  | 4 59. | 4 59    | .4 5  | 4.6  | 59.4   | 59.4 | 59   |
|            |     | 63.2    | 63.2 | •    |         |       |       | 0            |                            |      | 9     | 0       |       | 3.2  | •      | 63.  | 63   |
| ¥ 12000    |     | 68.4    | 68.4 | 4.89 | 4.89    | 68.4  | 68.4  |              | 68.4                       |      | 9     |         | 9 4.  | 4.6  | 68.4   | 68.  |      |
|            |     | 76.8    | 76.8 |      | 9       |       |       | 76.          | 76.                        |      | -     | -       | -     |      |        | 76.  |      |
| 000        |     | 76.8    |      | 76.8 | 76.8    |       | 76.8  | -            | 76.8                       |      | 8 76. | 8 76    | .8 7  | 8.9  | 76.8   | 76.8 | -    |
|            |     | 78.7    |      |      | 78.7    | 78.7  |       | 1            |                            |      | 7 78. | 7       | .7 7. | 8.7  |        | ~    | 78   |
| > 7000     |     | 78.7    | 78.7 | 78.7 | 78.7    | 78.7  | 78.7  | 78.7         | 78.7                       | 78.  | 7 78. | 1       | .7 7  | 4.7  | 78.7   | 78.  | 78   |
|            |     | 78.7    |      | 78.7 | 78.7    | 8     | 78.7  | 78.7         | 78.7                       | 78.  | 78    | .7 78   | .T 7  | 8.7  |        | 78.  | 78   |
| 2000       |     | 78.7    |      | 78.7 | 78.7    | 78.7  | 78.7  | 78.7         | 78.7                       |      | -     | 1       | -     | 8.7  | •      | -    | 78   |
|            |     | 78.7    | 78.7 | 78.7 |         |       | 78.7  | 8            | 1                          |      | 1     | 7 78    |       | 8.7  | 78.7   | 78.  | 78   |
| 000 A      |     | 80.0    | 00   | 80.0 | 80.0    | 0     | 80.0  | 80.0         | 80.0                       | 0    | 90    | 8       | 00    | 0.0  | 0      | 30   | 80   |
|            |     | 80.0    | 20   | 0    | 0       |       | 0     | 80.          | 80.                        | 0    | 80    | 00      | တ     |      | 0      | 80.  |      |
| 3000       |     | 84.5    | - 1  |      | 85.2    | 5     | 85.2  | 85.          | 85.2                       | 85.  |       | 2 85    |       |      | 3      | 85.  |      |
| 2 2500     |     | 85.8    |      | 85.8 | .0      | 86.5  | •     | 86.          |                            | .0   | 00    | 00      | 00    | 6.9  | 86.5   | 86.  |      |
| > 2000     |     | 86.5    |      | 86.5 | 87.1    | -     | 87.1  |              | 1                          |      | 8     |         |       |      | 1      | 8    | 87   |
|            |     | 86.5    |      |      |         |       |       | 87.          | -                          | 87.  | 0     |         |       | 7.1  |        | 87.  | 87   |
| 1500       |     | 91.6    |      | 3    | 92.9    | 92.9  | 92.9  | 92.          | 65.6                       | ?    | 9 92. |         | 0     | 5.9  | 2.     | 92.9 |      |
|            |     | 95.5    |      | . 9  | 4.76    | 1     | 4.16  |              | 97.4                       | 97.  | 0     | 4 97    | 0     | 4.1  | 97.4   |      | 97   |
| 0001 ~1    |     | 98.1    |      | 98.7 | 100.00  | 100.0 | 100.0 | 100.0        | 100.0                      | 100. | 0100  | 0010    | .010  | 0.01 | 00.00  | 100  | 0100 |
|            |     | 98.1    |      | 8.7  | 100.0   | 100.0 | 100.0 | 100.0        | -                          | 100. | 10    | 0100    | 2     | 0.01 | 0      | 100  | 0100 |
| 08<br>AI   |     | 98.1    |      | 8.1  |         | 100.0 |       | 0            | 100.                       | 0    | 10    | 0100    |       | 0.01 | 0      | 100. | 100  |
|            |     | 98.1    |      | 98.7 | 100.0   | 100.0 | 100.0 | 100.0        | 100.0                      | 0    | 0100  | 0100    | 10    | 0.01 | 00.00  | 100. | 100  |
| 8          |     | 98.1    |      | 98.7 | 100.0   | 100.0 | 100.0 | 100.0        | 100                        | 100. | 0100  | 0010    | .010  | 0.01 | 00.00  | 100  |      |
| 98         |     | 98.1    | 0    | -    | 100.0   | 100.0 | 100.0 | 100.0        | 100.0                      | 100. | 0100  | 0100    | .010  | 0.01 | 00.00  | 10   | 100  |
| N 400      | 4   | 98.1    | 98   | 98.7 | 100.0   | 100.0 | 100.0 | 100.0        | 100.0                      | 100. | 0100  | 0010    | 010   | 0.01 | 00.00  | 100. | 100  |
| 38         |     | 98.1    |      | 98.7 | 100.0   | 100.0 | 100.0 | 100.0        | 100.0                      | 100. | 0100  | 0010    | .010  | 0.01 | 0000   | 100. | 100  |
| 38         |     | 98.1    | 98.1 | 68.7 | 100.0   | 100.0 | 100.0 | 100.0        | 100.0                      | 100. | 0100  | 0100    | 010   | 0.0  | 00.00  | 100. | 100  |
| 8          |     | 98.1    | 98.1 | 98.7 | 100.0   | 100.0 | 100.0 | 100.0        | 0.0                        | 100. | 0100  | 0010    | .010  | 0.01 | 0.00   | 1000 | 100  |
|            |     | -       | -    | -    |         | -     |       |              |                            |      |       |         |       |      |        |      |      |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

AGANA, GUAM

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19 HOURS (1 S T )

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) 73-77 AGANA, GUAM

NO CEILING

(FEET)

VI VI 00091 VI 000091

12000

000 000 01 A1 A1

4000 4000

ALAI

3000

| 908  | -     |       |      |   | 1    | 1        |      | -   |                     | -   |                                |     | -   | -    | 1   |            | 1    |       |                 |     |     |   |
|------|-------|-------|------|---|------|----------|------|-----|---------------------|-----|--------------------------------|-----|-----|------|-----|------------|------|-------|-----------------|-----|-----|---|
| 1500 | 96.1  | 96.8  | 96.  | 96  | 96 8 | 3        | 8.9  | 96  | 6                   | 6.8 | 96                             |     | 96  | 0    | 6.8 | 36         | 80   | 96.   | 3 96            | . 8 | 96  | 0 |
| 1200 | 3     | 98.1  | 98.  | 1 98.1 98.1 98.1 98.1 98.1 98.1 98.1 98.  | 1 98 | 1.       | 18.1 | 96  | 6                   | 8.1 | 96                             | 7.  | 98. | 0    | 8.1 | 86         | 7.   | 98.   | 86 1            | 7   | 98. | - |
| 1000 | 98.71 | 0.00  | 100. | 1000  | 0100 | .010     | 0.0  | 100 | 010                 | 0.0 | 100                            | .0  | 00  | 010  | 0.0 | 100        | .010 | 00.00 | 100             | .01 | 00  |   |
| 8    | 98.71 | 0.00  | 100. | 100.  | 0100 | .010     | 0.0  | 100 | 010                 | 0.0 | 100                            | 10. | .00 | 010  | 0.0 | 100        | .01  | 00.00 | 0010            | 00  | 00  | 0 |
| 80   | 98.71 | 0.00  | 1001 | 100.  | 0100 | 0.00     | 0.0  | 100 | 010                 | 0.0 | 100                            | .0  | 00  | 010  | 0.0 | 100        | .01  | 00.0  | 200             | .00 | 00  | 0 |
| 92   | 98.71 | 0.00  | 100  | 100.  | 0100 | 0.01     | 0.0  | 100 | 010                 | 0.0 | 100                            | .0  | 00  | 010  | 0.0 | 100        | .010 | 00.00 | 0100            | 000 | .00 | 0 |
| 000  | 98.71 | 0000  | 1000 | 1000  | 0100 | .010     | 0.0  | 100 | 010                 | 0.0 | 100                            | .0  | 00  | 010  | 0.0 | 100        | .01  | 00    | 200             | 80  | 00  | 0 |
| 98   | 98.71 | 0.00  | 1001 | 0100.0100.0100.0  | 0100 | .010     | 0.00 | 100 | 010                 | 0.0 | 0.0010.0100.0100.0100.0100.010 | 10. | 00  | 010  | 0.0 | 100        | .01  | 100.0 | 0100.0010       | 0.0 | 00  | 0 |
| 9    | 98.71 | 0.00  | 1000 | 1000  | 0100 | 6        | 0.0  | 0   | 010                 | 0.0 | 100                            | 6   | 00  | 010  | 0.0 | 100        | .010 | 90    | 00.0100.0100.00 | 0.0 | 00  | 0 |
| 300  | 98.71 | 00.00 | 1001 | 1001  | 0100 | .010     | 0.0  | 0   | 010                 | 0.0 | 100                            | .0  | 00  | 010  | 0.0 | 10.0010.00 | 0    | 00    | 0100.010        | 0.0 | 100 | 0 |
| 200  | 98.71 | 0.00  | 1001 | 100.  | 0100 | 0100.010 | 0.0  | 100 | .0100.0100.0100.010 | 0.0 | 100                            | 9   | 00  | 0100 | 0.0 | 100        | .01  | 00    | 2100            | 9.0 | 00  | 0 |
| 8    | 98.71 | 00.00 | 100. | 0100.01 | 0100 | .01      | 0.00 | 100 | 010                 | 0.0 | 100                            | .01 | 00  | 010  | 0.0 | 100        | .01  | 00    | 3100            | 0.0 | 00  | 0 |
| •    | 98.71 | 0.00  | 1001 | 100.  | 0100 | 0.       | 0.00 | 100 | 010                 | 0.0 | 100                            | 10. | 00  | 010  | 0.0 | 100        | .0   | 00    | 0010            | 0.0 | 00  | 0 |

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17 IV IV

TOTAL NUMBER OF OBSERVATIONS

155

# CEILING VERSUS VISIBILITY

| AGAN                                    | AGANA, GUAM |      | 201113 |        |                     |        | 73-7   | 11.                        |            | YEARS  |       |         |        | 1      |            | -      |
|---|-------------|------|--------|--------|---------------------|--------|--------|----------------------------|------------|--------|-------|---------|--------|--------|------------|--------|
|   |             |      |        | PERCEN | PERCENTAGE<br>(FROM | FREQUE | -      | P. S.                      | CCUR       | EN C   |       |         |        |        | 75         | 2      |
| CEILING<br>(FEET)                       | 5           | AI   | 20 11  | 7.1    | 2                   | Y 2%   | VISI   | VISIBILITY (STATUTE MILES) | NTUTE MILL | § 71   | AI    | ₽<br>Al | S.     | 5/16   | AI AI      | ۸۱     |
| NO CEILING                              |             | 51.0 | 51.0   | 51.0   | 51.0                | 51.0   | 51.0   | 51.0                       | 51.0       | 51.0   | 51.0  | 51.0    | 51.0   | 51.0   | 51.0       | 51.0   |
| 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 |             | 68.4 | 9 9    | 4.80   | 4.8                 | 4 4    | 4.89   | 4.89                       | 4.8        | 68.4   | 4.89  |         | 4.89   | 68.4   | 68.4       | 4.89   |
| 1 |             | 73.6 |        | 73.6   | 13.6                | 73.6   | 73.6   | 73.6                       | 73.6       | 73.6   | 73.6  | 73.6    | 73.6   | 73.6   | 73.6       | 73.6   |
| VI VI<br>0000<br>0000<br>0000           |             | 81.3 |        | 81.3   | 81.3                | 81.3   | 81.3   | 81.3                       | 81.3       | 81.3   | 81.3  | 81.3    | 81.3   | 81.3   | 81.3       | 81.3   |
| VI VI<br>0007<br>0007                   |             | 89.0 |        | 89.0   | 87.7                | 89.0   | 89.0   | 89.0                       | 89.0       | 87.7   | 89.0  | 87.7    | 87.7   | 87.7   | 87.7       | 87.7   |
| 9009<br>A1 A1                           |             | 89.7 |        | F. 68  | 89.7                | 89.7   | 89.7   | 89.7                       | 89.7       | 89.7   | 89.7  | 89.7    | 89.7   | 89.7   | 89.7       | 89.7   |
| 4500<br>4000<br>4000                    |             | 90.3 |        | 90.3   | 90.3                | 90.3   |        | 90.3                       | 90.3       | 90.3   | 90.3  | 90.3    | 90.3   | 90.3   | 90.3       | 90.3   |
| 3000                                    |             | 91.0 | 91.    |        |                     | 91.0   |        | 93.6                       | 91.0       | -:     | 93.6  |         | 91.0   | 93.6   | 91.0       | 91.0   |
| 1717                                    |             | 93.6 | 93.    | 93.6   | 93.6                | 93.0   | 93.6   | 93.6                       | 93.6       | 93.6   | 93.6  | 93.6    | 93.6   | 93.6   | 93.0       | 93.6   |
| 91 VI<br>0081                           |             | 94.8 |        | 94.2   | 2.96                | 94.2   | 94.2   | 94.8                       | 94.2       | 94.8   | 94.8  | 94.8    | 94.8   | 94.8   | 94.8       | 94.2   |
| VI VI<br>0001                           |             | 96.8 |        | 96.8   | 96.8                | 96.8   | 97.4   | 97.4                       | 97.4       | 97.4   | 97.4  | 97.4    | 97.4   | 97.4   | 97.4       | 99.4   |
| 8 8<br>AI AI                            |             | 98.7 | 98.7   | 98.7   | 98.7                | 99.4   | 99.4   | 100.001                    | 100.00     | 99.4   |       |         | 100.00 | 100.00 | 100.00     | 100.00 |
| 8 8                                     |             | 98.4 |        | 98.7   | 4.00                | 4.00   | 100.00 | 100.001                    | 00.00      | 100.00 | 1000  | 0000    | 0000   | 1000   | 100.00     | 000    |
| 98                                      |             | 98.7 |        | 98.7   | 4.66                | 90.4   | 0.001  | 100.01                     | 0.001      | 100.0  | 100.0 | 100.0   | 100.0  | 100.0  | 100.0      | 100.0  |
| 8 8<br>AI AI                            |             | 98.7 |        | 98.7   | 4.66                | 4.66   | 0000   | 100.01                     | 0000       | 100.0  | 100.0 | 1000    | 0000   | 1000.0 | 100.0      | 100.0  |
| 90<br>00                                |             | 98.7 |        | 98.7   | 4.66                | 99.4   | 00.001 | 100.01                     | 100.0      | 00     | 100.0 | 1000.0  | 100.0  | 100.0  | 100.0100.0 | 10000  |

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

1234-18766

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### 5703 CEILING VERSUS VISIBILITY JAN 68

### PERCENTA (FRC

| TAGE FREQUENCY OF OCCURRENCE | ATIONS)             |
|------------------------------|---------------------|
| ö                            | ER                  |
| Ş                            | OBS                 |
| FREQUEN                      | HOURLY OBSERVATIONS |
| LAGE                         | WO                  |

CEILING VERSUS VISIBILITY

| NO CEILING 2 20000 2 18000 |    |      |       |      |      |       |         |        |         |       |       |       |       |        |       |       |
|----------------------------|----|------|-------|------|------|-------|---------|--------|---------|-------|-------|-------|-------|--------|-------|-------|
| NO CEILING<br>> 20000      | 71 | AI   | \$ 41 | * AI | e Al | 2 2%  | 7       | 21 21  | 7       | Ā     | AI    | *     | S.    | \$ 500 | AI    | O AI  |
| Y 18000                    |    | 42.4 |       | 42.4 | 42.4 | 42.4  | 45.4    | 45.4   | 45.4    | 42.4  | 45.4  | 45.4  | 42.4  | 45.4   | 45.4  | 42.4  |
|                            |    | 54.4 |       | 64.4 | 64.4 | 4.40  | 9000    | 4.49   | 4.49    | 64.4  | 64.4  | 64.4  | 4.40  | 4.40   | 4.40  | 64.4  |
|                            |    | 9.99 |       | 9.49 | 64.6 | 94.0  | 9.00    | 64.6   | 94.0    | 64.6  | 64.6  | 94.0  | 64.6  |        | 64.6  | 64.6  |
|                            |    | 8.40 |       | 8.40 | 64.8 | 64.8  | 64.8    | 64.8   | 64.8    | 64.8  | 64.8  | 64.8  | 64.8  | 64.8   | 64. A | 64.8  |
|                            |    | 4.99 | 99    |      | 4.99 |       | 66.4    | 4.99   |         | . 9   |       | 66.4  |       |        | 4.99  | 66.4  |
| 12000                      |    | 72.0 |       | 72.0 | 72.0 | 72.0  | 72.0    |        | 72.0    | 72.0  | 72.0  | 72.0  |       | 72.0   | 72.0  | 74.0  |
| 1                          |    | 19.9 | 80.   | 0    |      | 0     | ò       | 0      |         | ò     |       | 80.   | 90.1  | 0      |       | 80.1  |
| 0006 AI                    |    | 81.6 |       |      |      | 81.8  | 81.8    | 81.8   | 81.8    | 81.8  | 81.8  | 81.8  |       | -      | 81.8  | 81.8  |
| 1                          |    | 84.7 | 84.   | 84.8 |      |       | :       | :      |         |       |       | 0     |       | 84.9   |       | 84.9  |
| 200                        |    | 85.1 |       | 85.2 | 85.3 | 85.3  | 85.3    | 85.3   | 85.3    | 85.3  | 85.3  | -     | 85.3  | 85.3   | 85.3  | 85.3  |
|                            |    | 85.4 | 85.   | 85.6 | 85.7 | 5     | 3       | 3      |         |       | 3     |       | 85.7  |        |       | 85.7  |
| 0005                       |    | 85.7 |       | 85.8 | 85.9 | 85.9  | 85.9    | 85.9   | 85.9    | 85.9  | 85.9  | 85.9  | 85.9  | 85.9   | 85.9  | 85.9  |
| 1                          |    | 85.9 |       | 86.1 | 86.1 |       |         | 86.1   |         |       |       |       |       |        |       |       |
| 000                        |    | 86.4 | 86.   |      | 86.6 |       | 36.6    | 86.6   | 86.6    | 86.6  | 86.6  | 86.6  | 90.0  | 86.6   | 86.6  | 86.6  |
|                            |    | 86.7 |       |      |      | .0    |         | .0     |         |       |       | 86.9  | 86.9  |        | 86.9  | 86.9  |
| 3000                       |    | 89.1 |       | 89.4 | 89.5 | 89.5  | 89.5    |        | 89.5    | 89.5  | 89.5  | 6     |       | 89.5   | 6     | 89.5  |
|                            |    | 90.0 | lan.  |      |      | 0     | 4.06    | 4.06   | 0       | 0     | 4.06  | 90.   | 4.06  | 0      | 4.06  | 90.4  |
| > 2000                     |    | 90.0 |       |      | 90.9 | 6.06  |         | 6.06   | 6.06    | 6.06  | 0     | 90    |       | 90.9   | 6.06  | 90.9  |
|                            |    | 90.8 |       | 91.1 |      | -     | 91.2    | -      | 91.2    | 91.2  | 91.2  |       | -     | -      | 91.2  | 91.2  |
| 981                        |    | 94.1 |       | 94.5 | 7.46 | 8.46  | 94.8    | 94.8   | 8.46    | 94.8  | 8.46  | 94.   | 8.46  | 94.8   | 8.46  | 8.46  |
|                            |    | 96.6 |       | 97.1 | 97.5 | 7.    | 7.76    | 97.7   | 7.76    | 97.7  | 97.7  | 97.7  | 7.76  | 97.7   | 97.7  | 97.7  |
| 0001                       |    | 98.2 |       |      | 1.66 | 8.66  | 6.66    | 6.66   | 6.66    | 6.66  | 6.66  |       |       | 6      | 6.66  | 666   |
|                            |    | 98.2 |       |      |      | 8.66  |         | 6.66   | 6.66    | 6.66  | 6.66  | 6.66  | 6.66  | 60.66  | 6.66  | 99.9  |
| 8<br>Al                    |    | 98.2 |       |      | 8.66 |       | 100.001 | 100.00 | 100.001 | 1000  | 100.0 | 100   | 100.0 | 10000  | 100.0 | 1000  |
|                            |    | 98.2 |       | 1.66 | 8.66 | 6.66  | 100.00  | 100.00 | 100.001 |       | 100.0 | -     | 100.0 | 100.0  | 100.0 | 100.0 |
| 8                          |    | 98.2 |       | 99.1 | 8.66 | 6     |         | 100.00 | •       | ò     | 100.0 | 10000 | 100.0 | 100    | 100.0 | 100   |
|                            |    | 98.2 |       | 1.66 | 8.66 | 6     | 100.001 | 100.00 | 100.001 | 100.0 | 100.0 | 100   | -     | 10000  | 100.0 | 100.0 |
| 00 AI                      |    | 98.2 |       |      | 8.66 | 66.60 | 100.001 | 100.00 | 100.001 | 100.0 | 100.0 | 10000 | 100.0 | 100.0  | 100.0 | 1000  |
|                            |    | 98.2 |       | 1.65 | 8.66 | -     | 100.001 | 0.001  | 1000-01 |       | 100.0 | 100   |       | 0      | 10000 | 100.0 |
| > 200                      |    | 98.2 |       |      | 8.66 | 99.91 | 100.001 | 00.00  | 100.001 | 100.0 | 100.0 | 100   | 100.0 | 10000  | 100.0 | 1000  |
| VI<br>85                   |    | 98.2 | 98.7  | 1.66 | 8.60 | 6.66  | 100001  | 100.00 | 100.001 | 10000 | 100.0 | 10    |       |        | 10000 | 100.0 |
|                            |    | 98.2 | - 1   | 1.66 | 8.66 | 99.91 | 00.00   | 00.00  | 100.00  | 100.0 | 100.0 | 10000 | 100.0 | 100.0  | 100.0 | 100   |

TOTAL NUMBER OF OBSERVATIONS

1240

# CEILING VERSUS VISIBILITY

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| ERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|-----------------------------------|----------------------------|
|-----------------------------------|----------------------------|

| CEILING    |     |       |      |      |       |      |       |          | (Caring all Civil) | (       |      |       |         |        |         |      |      |      |
|------------|-----|-------|------|------|-------|------|-------|----------|--------------------|---------|------|-------|---------|--------|---------|------|------|------|
| (FEET)     | 5 1 | 9     | 8    | 1    | E AI  | ≥ 2% | K 41  | VI<br>2. | VI VI              | ٨١      | -    | × AI  | ≱<br>∧I | AI .   | VI<br>S | 2    | Z.   | AI   |
| NO CEILING |     | 43.2  |      | -    | 43.2  | 43.  | 4     | 43.      | *                  |         | 3.2  | 3     | 3       | *      |         | .2.  | 3.2  | 43.  |
| ≥ 20000    |     | 63.2  |      | 63.2 | 63.2  | 63.  | 2 63. | 63.      | 2 63.              | 2 6     | 3.2  | •     |         | •      | 2 63    | .26  | -    | 63.  |
| 7 18000    |     | 63.2  | 63.2 | 3.   | 63.2  | 63.  | 9     |          |                    | 2 6     | 3.5  | 63.2  |         | 2 63.  | 2 63    | .2   | 3.5  | 63.  |
| ≥ 16000    |     | 63.9  |      | 63.9 | 63.9  | 63.  | 6 63. | 63.      | 9 63.              | 9       | 6:   |       | 3.      | 0      |         | 6.   | 3    | 63.  |
|            |     | 66.5  |      |      | .9    | 66.  | •     | 66.      | •                  |         | 3.5  |       | .0      |        |         | .5   | •    | .09  |
| ¥ 12000    |     | 70.3  | 70.3 | 70.3 | 70.3  | 70.  | 3 70. |          | 3 70.              |         | 0.3  |       | 0       | 70.    | 3 70    |      |      | 70.  |
|            |     | 82.6  |      | 2.   | 2.    | 82.  | 8     | 82.      | 00                 | 00      | 9.5  |       |         |        |         | .6   | 2.   | 82.  |
| 000        |     | 85.9  |      | 85.2 | 85.2  | 8    | 2 85  | 85.      | 2 85.              | 00      | 5.2  |       |         | 85.    |         | .2   | 5    | 85.  |
|            |     | 85.8  | 85.8 |      |       | 85.  | 80    | 5        | 8 85.              | N. 1000 |      | 5.    | 5.      | 85.    | 80      |      |      | 85.  |
| 141        |     | 87.1  |      | 87.1 | 87.1  | 87.  | 1 87. | 87.      | 1 87.              | 00      | 7.1  | -     | -       | 87.    | æ       | .1 8 |      | 87.  |
| 1          |     | 87.7  | 87.7 |      |       | 87.  | 00    | 00       | 7 87.              |         | 7.7  |       | 7       | . 87.  |         | .7 8 | 7.78 | 87.  |
| 2000       |     | 87.7  | 87.7 | 87.7 | 87.7  |      | 200   | •        | 7 87.              | 7 8     | 7.7  | -     |         | 7 87.  |         | .7 8 | -    | 87.  |
| 1          |     | 87.7  | 87.7 |      | 87.7  | œ    | 7 87. | 7 87.    |                    |         | 7.7  | 87.7  | 87.     | 7 87.  |         |      | 87.7 | 87.  |
| 4000       |     | 87.7  | 87.7 | 87.7 | 87.7  |      | 7 87. | *        | 7 87.              | 7 8     | 1.7  | 2     |         | 7 87.  |         |      |      | 87.  |
| 1          |     | 88.4  | 88.4 | 8    | 88.   | 88.  | 00    | -        | 00                 | 80      |      |       |         |        | 80      | *    | 8    | 88.  |
| 3000       |     | 90.3  | 91.0 | 91.0 | 91.   | 91.  | .16 0 | 0 91.    | 0 91.              | -       | 1.0  | -     | -       |        | 0 91    | 0    | 91.0 | 91.  |
| F          |     | 91.0  | 91.6 |      | 0     | 91.  | 0     | 91.      | 0                  | 6 9     | 1.6  | 91.6  | 91.6    | 6 91.  | 6 9     | 6 9. | -    | 3    |
| 7 2000     |     | 91.0  | 91.6 | 9116 | :     | 91.  |       | 6 91.    |                    | 6 9     | 9.1  | -     | -       | 0      |         |      | -    | 91.  |
| 1          |     | 91.6  | 92.3 | 2    | 3     | 92.  | 0     | _        | 0                  | 0       | 2.3  |       | 92.     | 100    |         |      |      | 92.  |
| 1500       |     | 92.9  | 94.2 | 94.2 | 94.2  | 94.  | -     | 2 94.    | 2 94.              | 0       | 4.2  | 94.2  |         | 2 94.  |         |      | 34.2 | . 40 |
|            |     | 96.1  | 97.4 |      |       | 97.  | 4 97. |          | 4 97.              |         |      | 97.4  |         | 4 97.  |         | *    | -    |      |
| 1000       |     | 96.8  | 98.1 |      | 98.7  |      | 7 98. | 7 98.    | 7 98.              | 0       | 4.4  | 7.86  | 86      | 7 98.  |         | 1.   | 98.7 | 98.  |
|            |     | 96.9  | 98.1 |      | 8     | 9    |       | 7 98.    | 7 98.              | 0       | 8.7  | 7.86  | .86     | 7 98.  |         |      | 7.86 |      |
| 8          |     | 97.4  | 98.7 | 4.66 | 4.66  |      | .66 4 | 4 99.    | 4 99.              |         | 4.0  |       |         | . 66   |         | 4    | 4.66 | .66  |
|            |     | 4.70  | 98.7 | 4.66 | 4.66  | 0    | .66 4 | 4 99.    | 4 99.              |         | 4.0  | 4.66  | .66     | . 66 4 | 4 99    | *    | 4.66 | 66   |
| 8          |     | 97.4  | 98.7 | 4.66 | 4.66  | 6    | .66 4 |          | . 66               | 0       | 4.0  | •     |         | . 66   |         | **   | •    | .66  |
|            |     | 97.4  | 98.7 | 4.66 | 100.0 | 100. | 0100  | 0100     | 0100               | 010     | 10.0 |       |         | 0100.  | 10      | 0    | 0000 | 100  |
| 8          |     | 97.4  | 7.86 |      |       | 100. | 0     | 10       | -                  | 10      |      | 0     |         | 2      | 0100    | 10.  | 0.00 | 100  |
|            |     | 97.4  | 98.7 | 4.00 | 00    | 10   |       | 0100     | 0100               | 20      |      | 00.00 |         | 0100   | 2       | 50   | 0.00 | 100  |
| > 200      |     | 97.4  | 98.7 | 4.66 |       |      |       | 10       | 0100               | 10      | 0.01 | 000   | 100     | 2      | 0100    | 10.  | 0000 | 100  |
| 8          |     | 4.7.4 | 98.7 | 7.66 | 100.0 | 100. | 0100  | 0100     | 0100               |         | 0.01 | 0000  |         | 0100   | 0100    | 10.  | 0000 | 100  |
|            |     |       |      |      |       |      |       | -        |                    |         |      |       |         |        | •       |      |      |      |

TOTAL NUMBER OF OBSERVATIONS

500

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

T S 1) SUNON

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| CEILING    |         |      |       |               |      |      | VIS  | VISIBILITY (STATUTE MILES) | ATUTE MILI | <b>ES</b> ) |       |        |         |         |       |         |
|------------|---------|------|-------|---------------|------|------|------|----------------------------|------------|-------------|-------|--------|---------|---------|-------|---------|
| (Jeen)     | VI<br>5 | ۸I   | S)    | ۸I            | N AI | ≥ 2% | 7    | ¥1 Y                       | ¥1 V       | -<br>AI     | Al Al | # 1    | N N     | ≥ 5/16  | AI    | 0 1     |
| NO CEILING |         | -    |       | 44.5          | 44.5 | 44.5 | 44.5 | 64.5                       | 44.5       | 44.5        | 44.5  | 44.5   | 44.5    | 44.5    | 44.5  | 44.5    |
| > 20000    |         | -    | - 1   | 61.3          | 61.3 | 61.3 | 61.3 | 61.3                       | 61.3       | 61.3        | 61.3  | 61.3   | 61.3    | 61.3    | 61.   | 61.3    |
| N 18000    |         | -    |       | 61.3          | 61.3 | 61.3 | 61.3 | 61.3                       | 61.3       | 61.3        | 61.3  | 6113   | 61.3    | 61.3    | 61.3  | 61.3    |
| 0009L ×    |         | -    |       | 61.3          | 61.3 | 61.3 | 61.3 | 61.3                       | 61.3       | 61.3        | 61.3  | 61.3   | 61.3    | 61.3    | 61.3  | 61.3    |
| 2 14000    |         | -    |       | 61.3          | 61.3 | 61.3 | 61.3 | 61.3                       | 61.3       | 61.3        | 61.3  | 61.3   | 61.3    | 61.3    | 61.3  | 61.3    |
| > 12000    |         | -    |       | 65.8          | 65.8 | 65.8 | 65.8 | 65.8                       | 65.8       | 65.8        | 65.8  | 65.8   | 65.8    | 65.8    | 65.8  | 65.8    |
| N 10000    |         | -    |       | 78.7          | 78.7 | 78.7 | 78.7 | 78.7                       | 78.7       | 78.7        | 78.7  | 78.7   | 78.7    | 78.7    | 78.7  | 78.7    |
|            |         | -    |       | 91.9          | 81.9 | 81.9 | 81.9 | 81.9                       | 81.9       | 81.9        | 81.9  | 81.9   | 81.9    | 81.9    | 81.9  | 81.9    |
| 0008 4     |         |      |       | 83.9          | 83.9 | 83.9 | 83.9 | 83.9                       | 83.9       | 83.9        | 83.9  | 83.9   | 83.9    | 83.9    | 83.9  | 83.9    |
| > 7000     |         | -    | - CO1 | 84.5          | 84.5 | 84.5 | 84.5 | 84.5                       | 84.5       | 84.5        | 84.5  | 84.5   | 84.5    | 84.5    | 84.5  | 84.5    |
| 0009 4     |         | 44   |       | 84.5          | 84.5 | 84.5 | 84.5 | 84.5                       | 84.5       | 84.5        | 84.5  | 84.5   | 84.5    | 84.5    | 84.5  | 84.5    |
| > 5000     |         |      |       | 84.5          | 84.5 | 85.2 | 85.2 | 85.2                       | 85.2       | 85.2        | 85.2  | 85.2   | 85.2    | 85.2    | 85.2  | 85.2    |
|            |         | -    | •     | 84.5          | 84.5 | 85.2 | 85.2 | 85.2                       | 85.2       | 85.2        |       | 85.2   | 85.2    | 5.      | 85.   | 85.2    |
| > 4000     |         | -    |       | 85.2          | 85.2 | 85.8 | 85.8 | 85.8                       | 85.8       | 85.8        | 85.8  | 85.8   | 85.8    | 85.8    | 85.8  | 85.8    |
| 3300       |         | -    |       | 85.2          | 85.2 |      | 85.8 | 85.8                       | 85.8       |             | 85.8  | 85.8   | 85.8    |         | 85.8  | 85.8    |
| 1 3000     |         | -    |       | 88.4          | 88.4 | 89.0 | 89.0 | 89.0                       | 89.0       | 89.0        | 89.0  | 89.0   | 89.0    | 89.0    | 89.0  | 89.0    |
| > 2500     |         | 1    |       | See Committee |      | 90.3 | 90.3 | 90.3                       | 90.3       | 90.3        | 90.3  | 90.3   |         | 90.3    | 90.3  | 90.3    |
| _ 1        |         | -    |       | 1.68          | 89.7 | 90.3 | 90.3 | 0                          | 8.06       | 90.3        | 90.3  | 90.3   | 90.3    | 90.3    | 90.3  | 90.3    |
| 1800       |         | -    |       | 89.7          |      |      | 6.06 | 90.3                       |            | 8003        | 90.3  |        | 90.3    | 90.3    | 90.3  | 90.3    |
|            |         | - 20 |       | 91.0          | 91.0 | 91.6 | 91.6 | 91.6                       | 91.6       | 91.6        | 91.6  | 91.6   | 91.6    | 91.6    | 910   | 91.6    |
| 7 1200     |         | -    |       | 95.5          |      |      | 96.8 | 96.8                       | 96.8       | 96.8        | 8.96  | 96.8   | 90.8    | 96.8    | 96.8  | 90.8    |
|            |         | -    |       | 97.4          | 98.1 | 98.7 | 98.7 | 48.7                       | 98.7       | 98.7        | 98.7  | 1.86   | 98.7    | 98.7    | 98.7  | 1.86    |
| 08         |         | -    |       |               | 1.86 |      | 98.7 | 98.7                       | 48.7       | 98.7        | 98.7  | 98.7   | 98.7    | 98.7    | 98.7  | 98.7    |
|            |         | 100  |       | 97.4          | 98.1 | 98.7 | 98.7 | 98.7                       | 98.7       | 98.7        | 7.86  | 98.7   | 98.7    | 98.7    | 98.7  | 98.7    |
| 700        |         | -    |       | 97.4          | 98.1 | 98.7 | 4.86 | 98.7                       | 48.7       | 98.7        | 98.7  | 7.86   | 98.7    | 98.7    | 98.7  | 98.7    |
| 08<br>AI   |         | -    | -     | 97.4          | 98.1 | 98.7 | 98.7 | 48.7                       | 98.7       | 98.7        | 7.86  | 98.7   | 98.7    | 98.7    | 98.7  | 7.86    |
| 905        |         | 92.9 | 97.4  | 97.4          | 98.1 | 98.7 | 4.66 | 4.66                       | 4.66       | 4.66        | 4.66  | 4.66   | 4.66    | 4.66    | 4.66  | 4.60    |
|            |         | -    | - 1   | 97.4          | 1.86 | 98.7 | 4.66 | 4.66                       | 4.66       | 4.66        | 4.66  | 4.66   | 4.66    | 40.66   | 4.66  | 4.66    |
| 300        |         | 92.9 | 97.4  | 4:4           | 98.1 | 96.7 | 4.66 | 4.66                       | 4.66       | 4.66        | 4.66  | 4.66   | 4.66    | 4.66    | 90.6  | 4.66    |
| 38         |         | _    | 97.4  | 4.16          | 98.1 | 98.7 | 90.4 | 100.001                    | 100.001    | 100.001     | 00.00 | 100.00 | 100.001 | 100.0   | 100.0 | 0.001   |
| 8          |         | 7    | 97.4  | 97.4          | 98.1 |      | 4.66 | 100.001                    | 100.001    | 100.00      | 0.001 | 100.00 | 100.00  | 100.0   | 10000 | 0000    |
|            |         | 92.9 | 40.16 | 97.4          | 1.80 | 98.7 | 99.4 | 100.01                     | 100.001    | 10.00       | 00.00 | 100.01 | 100.001 | 100.001 | 8     | .0100.0 |

TOTAL NUMBER OF OBSERVATIONS

155

NO CEILING

VI VI 00081 00081

12000

2000

2000

4500 4000

3500

(FEET)

1234-18766

98.

98.1

98.7 98.7 98.7 98

98.1

98.1 98.1

1.86 98.7

98.1 98.7

98.1 98.7

1.86 98.7

1.86

8.96

96.8

1800

11 11

1200

ALAI

88

ALAI

2000

AI AI

98.7

96.8 96.8 8.95

95.5 98.5

88

ALAI

4.66

4.66 4.66

4.66

4.66

4.66

4.66

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97.4

96.1

96.1

96.1 96.1

88

AI AI

80

ALAI

96.1

88

AI AI

4.66

4.66 4.66

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) STATION NAME ACANA, GUAM

|         |       |       |      |      |        | VIS  | VISIBILITY (ST | (STATUTE MILES | ES)  |         |          |      |        |      |      |
|---------|-------|-------|------|------|--------|------|----------------|----------------|------|---------|----------|------|--------|------|------|
| ۷۱<br>5 | ٥     | \$ 11 | AI   | 8 41 | N 21/8 | 7 1  | Y1 74          | ¥1             | - AI | ≱<br>Al | a₽<br>Al | Z AI | ≥ 5/16 | AI   | ٥    |
|         | 32.3  | 32.   | 2    |      |        | 32.  | 32.3           |                |      |         | 32.3     |      | 2.     |      | 32.3 |
|         | 60.0  | 60.   | 4    |      | _      | 409  | 4              |                | 0    | d       | d        | 0    | 0      | -    | 0000 |
|         | 60.00 | 600   |      | 0    | -      | .09  |                | 0.09           | 0    |         | 0        | 0    |        |      | 0.09 |
|         | 60.7  | 60.   | 0    | . •  | -      | 60.  |                | 0              | 0    | 0       | 0        | 0    | 0      |      | 60.7 |
| -       | 63.2  |       | 63.2 | 63.2 | 63.2   |      | 63.2           | 63.2           | 63.2 | 63.2    | 63.2     | 63.2 | 63.2   | 63.2 | 63.2 |
|         | 71.6  | 7     | :    | -    | 1      | 71.  | -              | -              | -    | -       | -        | -    | -      |      | 71.6 |
|         | 81.3  | 81.   | -    | :    | :      | 81.  | -              | :              | -    | :       | -        | -    | -      |      |      |
|         | 85.8  | 85    | 85.8 |      |        | 85.  | 85.8           |                | 85.8 | 85.8    |          | 5    | 85,8   | 3    |      |
|         | 88.4  | 88.   |      |      | 88.4   | 88.  |                | 88.4           |      |         | 88.4     | 88.4 |        | 88.4 | 88.4 |
|         | 88.4  |       | 88.4 | 88.4 | 80     | 88.  | 88.4           |                | 88.4 |         | 88.4     |      | 8      |      |      |
|         | 88.4  | 88    |      |      |        | 88.  |                |                | 8.   | 8       | :        |      | 8.     |      | 88.4 |
|         | 89.0  |       |      |      | 6      | 89.  |                |                | 6    |         | :        |      |        |      |      |
|         | 89.0  | 89.   | 6    |      | 6      | 89.  |                | 6              |      | 6       | :        |      | 6      |      | 89.0 |
|         | 89.7  | 89.   |      |      |        | 89.  |                | 6              |      |         | :        | 6    | 6      | 6    | 89.7 |
|         | 89.7  | 89.   | 6    | 6    |        | 89.  | 6              | 89.7           | 89.7 | 89.7    |          | 6    | 6      | 89.7 | 89.7 |
|         | 91.6  | 92.   | 2    |      | 2      | 92.  | 2              | 2.             | 3    | 5       | •        | 2.   | 2.     | 3    | 95.9 |
|         | 92.3  | 93.   | 3.   |      | *      | 94.  | :              | *              | :    |         | :        | ;    | ;      | ;    | 34.5 |
|         | 92.3  | 93.   | -    |      | *      | . 46 | ;              | 94.2           |      |         | :        |      |        |      | 2.46 |
|         | 92.3  |       | 93.6 | 2.46 | 94.2   |      | 94.2           | 94.2           | 94.2 | 94.2    | 34.5     | 2.46 | 94.2   | 94.2 | 94.2 |
|         | 92.9  | 94.   |      | ;    |        | 94.  |                |                |      | ;       | :        |      | ;      | ;    | 8.46 |
|         | 8.76  | 96    | .0   |      | .0     | .96  |                |                |      | •       | :        |      |        | 96.8 | 96.8 |
|         | 9.80  | 96    | 9    | 98   | 3      | 98.  | 8              | *              |      |         | 98.1     | 98.1 |        |      | 98.1 |

TOTAL NUMBER OF OBSERVATIONS

99-4100-0100-0100-0100-0

4.66

4.66

4.66

4.66

4.66 4.66

99.4100.0100.0100.0100.0

99.4100.0100.0100.0100.

4.66

155

7.86 7.80

7.86

7.86

98.7

98.7 98.7

1.86

7.86

98.7

1.86 4.86

98.7 98.7

7.86

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98.7

98.7

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96.1 96.1

9 9

ALAI

98.7

98.1

98.1

1.86 98.1

98.1

96.1

88

ALA

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1.96 8.96

88

AI AI

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8.96

96.8

88

ALAI

96.8

88

AI AI

95.8

80

AI AI

96.8

98.7 98.7

48.7

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98.7 98.7

98.7

98.7

4.66

4.66

4.66

4.66

4.66

4.66

98.7

4.66

7.86 1.86

4.66

99.4

87.1

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

NO CEILING

VI VI 00081 00081 > 20000

0

12000

000 000

AI AI

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ALAI

999

AI AI

3000

11 11

2000

ALAI

980

AI AI

4500 400 400

AI AI

(FEET)

NOURS (LST

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74.8 74.8 83.2 83.2 81.9 81.9 85.2 52.9 85.2 92.3 86.5 61.3 80.7 86.5 87.1 87.1 ٨I 81.9 52.9 83.2 86.5 81.9 92.3 85.2 61.3 78.1 80.7 83.2 86.5 87.1 87.1 2 5/16 86.5 83.2 85.2 52.9 81.9 92.3 81.9 83.2 86.5 78.1 87.1 80.7 87.1 2 AI 92.3 83.2 86.5 74.8 81.9 81.9 83.2 85.2 86.5 85.2 61.3 78.1 87.1 87.1 87.1 \* 52.9 81.9 83.2 92.3 83.2 85.2 85.2 86.5 78.1 86.5 87.1 81.9 52.9 95.5 83.2 85.2 86.5 86.5 86.5 74.8 92.3 83.2 78.1 85.2 87.1 61.3 86.5 80.7 87.1 ٨١ VISIBILITY (STATUTE MILES) 52.9 83.2 85.2 81.9 85.2 86.5 92.3 95.5 95.5 74.8 74.8 74.8 83.2 87.1 50.3 50.3 50.3 50.3 87.1 7 81.9 85.2 52.9 52.9 85.2 86.5 87.1 87.1 7 85.2 85.2 95.5 83.2 86.5 81.9 80.7 83.2 86.5 87.1 87.1 83.2 74.8 81.9 83.2 85.2 86.5 95.5 80.7 87.1 87.1 78.1 2 2% 52.9 81.9 85.2 83.5 85.2 92.3 81.9 83.2 86.5 95.5 86.5 87.1 87.1 74.8 AI 52.9 6.18 74.8 80.7 87.1 86.5 8.46 83.2 83.2 85.2 87.1 83.2 86.5 85.2 85.2 91.6 78.1 4 86.5 74.8 83.2 8.76 52.9 52.9 81.9 85.2 86.5 87.1 78.1 87.1 91.6 1 85.8 6.06 81.3 82.0 84.5 85.8 86.5 86.5 74.8 82.6 84.5 93.6 AI 2 Al

TOTAL NUMBER OF OBSERVATIONS

• 4100 • 0100 • 0100 • 0100 • 0100 • 0100 • 0100 • 0100 • 0100 • 0100 • 0100 • 0

155

HOURS (1 S T.)

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0

CEILING VERSUS VISIBILITY

AGANA, GUAM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |   |       |      |       |      |      | VISI | BILITY (ST | VISIBILITY (STATUTE MILES) | ES     |         |      |      |        |      |       |
|------------|---|-------|------|-------|------|------|------|------------|----------------------------|--------|---------|------|------|--------|------|-------|
| (FEET)     | 2 | 41    | × 11 | AI AI | E AI | 2 2% | 7 1  | YI YI      | ¥1                         | -<br>- | *<br>Al | *    | Z AI | ≥ 5/16 | AI   | ٨١    |
| NO CEILING |   | 24.5  | 24.  |       | 24.5 | 24.5 | 24.5 |            | 24.5                       |        | 24.5    | 24.  |      | 24.    | 24.  | ~     |
| ≥ 20000    |   | 45.8  | 45.  | 45.8  | 45.8 | 45.8 | 45.8 | •          | 5.                         | 45.8   | 5.      | 45.  |      |        | 45.  |       |
|            |   | 4.5.8 | 45.  | •     | 45.8 |      | 45.8 | 45.8       | •                          |        | 45.     | 45.  |      | 45.    | 45.8 | *     |
| N 16000    |   | 45.8  | 45.  | •     | 45.8 | 45.8 | 45.8 | •          | •                          | 45.8   | 45.     | 45.  |      | 4      | 45.  | •     |
|            |   | 49.7  |      | 49.7  |      | 49.7 |      |            | •                          |        | .64     | 4    | 49.7 | .64    | 1.64 | 49.7  |
| > 12000    |   | 58.7  |      |       | 58.7 |      | 58.7 | 58.7       | 58.7                       | 58.7   | 8       | 58.  |      | 2      | 58.7 | 58.7  |
| N 10000    |   | 67.1  | 67.  | 7.    |      | 7.   | 7.   | 7.         | 67.                        | 7.     | 67.     | 67.  | 67.1 | 67.    | 67.  |       |
| 0006 AI    |   | 71.0  | 71.  | 71.0  |      |      | 71.0 | 71.0       | 71.                        | 71.0   | 71.     | 71.  |      | 71.    | 71.0 | -     |
|            |   | 72.9  | 72.9 | 72.9  | 72.9 | 72.9 | 72.9 |            | 1                          | •      | 72.9    | 1    | 72.9 | 72.9   | 72.9 | 72.9  |
| ≥ 7000     |   | 72.9  | •    | •     | 72.9 |      | 72.9 | 72.9       | •                          | 72.9   | 72.     | 72.  |      | 72.    | 72.  | -     |
|            |   | 72.9  | 72.9 | 72.9  |      | 72.9 |      | 72.9       | 72.9                       | 72.9   | 72.9    | -    | 72.9 | 72.9   | 72.9 | 72.9  |
| 2 5000     |   | 74.8  |      | 74.8  | 74.8 | 74.8 |      |            | •                          | 74.8   | 74.8    | 74.  |      | 74.    | 74.B | 74.8  |
|            |   | 74.8  | •    | 74.8  |      | 74.8 | 3    | 74.8       |                            | 74.8   | 74.8    | 1    |      | -      | 74.8 | 74.   |
| 0007       |   | 76.1  | 76.1 | 76.1  | 76.1 | . 9  | 76.1 | 76.1       | 76.1                       | 76.1   | 76.1    |      | 76.1 | 76.    | 76.1 | 76.1  |
|            |   | 76.1  | 76.1 |       |      |      | .9   |            |                            |        |         | 1    |      | -      | 76.1 | 76.1  |
| 3000       |   | 79.4  | 19.4 | 79.4  | 79.4 | 79.4 | 79.4 | 19.4       | 79.4                       | 19.4   | 19.4    | -    | 79.4 | 79.4   | 79.4 |       |
|            |   | 10.4  |      | 0     |      | 80.  | 0    | 80.0       | 0                          |        | 80.0    | 80.0 |      | 80.    | 00   | 00    |
| 7 2000     |   | 79.4  | 80.0 | 80.0  | 80.0 |      | 80.0 |            | 80.0                       | 0      | 80.     | 80.  |      | 80.0   | 80.0 |       |
| ≥ 1800     |   | 80.7  | •    | -     |      | 81.  | -    | 1:         |                            |        | 81.     | 81.9 |      | 81.    | 8    | 81.9  |
| > 1500     |   | 85.8  | 87.1 | 87.1  | 87.1 |      | 87.1 | 87.1       |                            | 87.1   | -       |      |      | 87.    | 87.  | 87.   |
| 2 1200     |   | 92.3  |      | 94.2  |      | 4    |      | 94.2       | •                          |        |         | 94.2 | 94.2 |        | 94.2 |       |
| V 1000     |   | 94.8  | 98.  | 98.1  | 98.1 | 8    | 98.7 | 98.7       | 98.7                       |        |         |      | •    | 0      | 98.7 | 98.   |
| 00<br>AI   |   | 8.46  | 1.86 | 98.1  |      | 98.1 | 98.7 | 98.7       | 98.7                       | 98.7   |         | 98.7 | 98.7 | •      | 98.7 | 98.7  |
|            |   | 95.5  | 98.7 | 98.7  | 98.7 | 0    | 4.66 | 4.66       | 4.66                       |        | 4.66    |      | 4.66 |        | 99.4 | 99.4  |
|            |   | 95.5  |      | 1.86  | 7.86 | 98.1 | 4.66 | 4.66       | 4.66                       | 4.66   | 4.66    |      | 4.66 |        | 99.4 | 99.1  |
| 009 A      |   | 95.5  |      | 98.7  | 98.7 | 6    | 4.66 | 4.66       | 99.4                       | 4.66   |         | 4.66 | 4.66 | 99.    | 99.4 | 1000  |
|            |   | 95.5  | -    | 7.86  | 7.86 | 98.7 |      |            | 4.66                       | 4.66   |         |      | 4.66 | 99.4   | 99.4 | 1001  |
| N 400      |   | 95.5  |      | 98.7  | 98.7 | 98.7 | 4.66 | 4.66       | 99.4                       | 4.66   | 4.66    | 4.66 | 4.66 | 66     | 7.66 | 1000  |
|            |   | 95.5  | 98.7 | 7.86  | 7.86 | 7.86 | 4.66 | 4.66       | 4.66                       | 4.66   | 4.66    | 4.66 | 4.66 | 99.4   | ***  | 100.0 |
| > 200      |   | 95.5  | 98.7 | 98.7  | 98.7 | 98.7 | 9.66 | 4.66       | 4.66                       | 90.4   | 4.66    | 4.66 | 4.66 | 99.6   | 99.4 | 1000  |
|            |   | 95.5  | 98.7 | 98.7  |      | 98.7 | 4.66 | 4.66       | 4.66                       | 4.66   | 4.66    | 4.66 | 4.66 | 99.4   | 99.4 | 100   |
| ٨١         |   | 95.5  | 98.7 | 98.7  | 98.7 | 98.7 | 4.66 | 4.66       | 4.66                       | 4.66   | 4.66    | 4.66 | 4.66 | 99.1   | 99.  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY JAN 68

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

73-77

AGANA, GUAM

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| CEILING     |    |          |       |          |      |      | VIS   | IBILITY (ST | VISIBILITY (STATUTE MILES) | ES    |       |        |         |        |       |       |
|-------------|----|----------|-------|----------|------|------|-------|-------------|----------------------------|-------|-------|--------|---------|--------|-------|-------|
| (FEET)      | 71 | AI S     | ٨١    |          | E AI | 2 2% | N AI  | VI<br>E     | 7                          | Ā     | AI    | # AI   | VI<br>Z | ≥ 5/16 | AI    | ٨١    |
| NO CEILING  |    | 21.3 21. | .3    | 6.0      | 21.3 | 21.3 | 21.3  |             | 21.3                       | 21.3  | 21.3  | 21.3   | 21.3    | 21.3   |       | 21.3  |
| 18000       |    | 51.0 51. | 1     |          | 3    | 3-   | 51.0  | 510         | 510                        |       | 3-    | 5:     | 5-      | 510    | 5150  | 510   |
| 141         |    | •        | 0     | 9        | 51.6 | ::   | 51.6  | : :         | 51.6                       | :     | 1     | :      | 51.6    |        |       | 51.6  |
|             |    | 54.8 54  | 30    | 80       | 54.8 | :    | :     | *           | 54.                        |       | :     | :      | 54.8    | 54.    |       | 54.8  |
| ≥ 12000     |    | 64.5 64  | 0     | 4.5      | 64.5 | 64.5 | ;     |             |                            | :     | ;     | ;      | 64.5    | 64.    |       | 64.   |
| N 10000     |    | 73.6 73. |       | 3.6      |      |      | 3     | 3           | 73.                        |       | 3     | 3      |         | 73.    | 3     |       |
|             |    |          | 1     | 3 . 1    | 78.1 | 8    | 8     |             | 78.                        |       | 8     |        |         | 78.    |       | 78.1  |
|             |    | 80.7 80. | .7 8  | 1.0      | 0    | 0    | 0     | 0           | 80.                        | 0     |       | 0      | 0       | 80.    | 80.7  |       |
| > 7000      |    | -        |       | . 7      | 0    | 0    |       | 0           | 80.                        | 0     | 0     | 0      | 0       | 80.    | 0     |       |
| 200         |    | 4        | .7 8  |          | 0    | 0    | ò     | 0           | 80.                        | 0     | 0     |        |         | 80.    | 0     | 80.7  |
| > \$000     |    | 4        | 00    | . 7      | -    | -    | -     | -           | 81.                        | -     | -     | -      | -       | 81.    | -     |       |
|             |    | 4        | 0     |          |      | -    | -     | -           | 81.                        | -     |       |        | -       | 00     | -     |       |
| 7 4000      |    | 20       | 8     | .3       | -    | -    | -     | -           | 81.                        | -     | -     | -      | -       | 81.    | -     | 81.9  |
| > 3500      |    | -        | .3 8  | 1.3      |      |      | 81.9  | -           | 81                         |       | -     | 81.9   | -       | 81.    | -     | 81.9  |
|             |    | 80       | •     | .2       | 3    | 3.   | 3     |             | 83.                        | *     | 3     |        |         | 83.    | *     |       |
| 2 2500      |    | 8        | œ     | 4.5      | 5    | 5    |       | 3           | 85.                        | 5     | 5     | 3      |         |        | 5     | 85.2  |
| > 2000      |    | 8        | 0     |          | 3    | 5    | 5     |             | 85.                        |       | 5     |        | 3       | 90     | 5     |       |
| 1800        |    | 80       | 0     | 5.8      |      |      |       |             | 86.                        | •     | •     |        |         | 8      |       |       |
|             |    |          | 0     | .3       | 5    | 2    | 3     | 2           | 92.                        |       | 3     |        | 3       | 0      | 3     |       |
| 1200        |    | 6 2      | 0     | 6.8      | 95.5 | 3    |       | 95.5        |                            |       | •     | 95.5   | 3       | 0      | 95.5  |       |
| V 1000      |    | 0        | 0     | . 3      | 2    |      | -     |             |                            | -     | 1.    | -      | 1.      | 0      |       | 97.4  |
| 8<br>AI     |    | 96.1 96  | •     | <b>a</b> | 97.4 |      | 1:    | -           |                            |       | 7     | 97.4   |         |        |       |       |
|             |    | 0        | 0     | -        |      |      |       |             | 4.66                       |       |       | 4.66   | 4.66    |        | 4.66  |       |
|             |    | 97.4 98. | 0     | 8.1      | 7.86 |      |       |             | 4.66                       |       | 4.66  | 4.66   |         |        | 4.66  |       |
| 009<br>AI   |    | 0        | 1 9   |          |      |      |       |             | 4.66                       |       | 4.66  | 4.66   | 4.66    |        | 4.66  |       |
|             |    | 0        |       |          | 7.86 |      |       |             | 4.66                       |       |       | 0      | 4.66    |        | 4.66  |       |
| 00 <b>7</b> |    | 0        |       |          | 7.86 |      |       |             | 4.66                       |       | 4.66  | 0      | 4.66    |        | 99.4  | 4.66  |
| 38          |    | 97.4 98. | .1 98 | 8.1      | 7.86 | 1.86 | 4.66  | 4.66        | 4.66                       | 100.0 | 100.0 | 10000  |         | 100.0  | 100.0 | 100.0 |
|             |    | 0        |       | ~ *      | 7.86 |      |       |             | 4.66                       | 100.0 |       | 100.00 | 100.0   |        | 100.0 |       |
| ٧١<br>8     |    | -        | 1 6   | 3.1      | 1.86 | 98.7 | 4.66  | 4.66        | 4.66                       | 10000 | 100.0 | 10000  | 0000    |        | 100.0 | 100.0 |
|             |    | 97.4 98. | 1 9   | 3 . 1    | 7.86 | 98.7 | 90.66 | 4.66        | 4.66                       | 10000 | 100.0 | 10001  | 100.0   | 10000  | 100.0 | 100.0 |

1234-18766

TOTAL NUMBER OF OBSERVATIONS

1 9 HOURS (1 S T.)

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STATION NAME AGANA, GUAM

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |         |         |       |       |        |        | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | ES)   |       |       |       |        |        |        |
|------------|---------|---------|-------|-------|--------|--------|---------|-------------|----------------------------|-------|-------|-------|-------|--------|--------|--------|
| (FEET)     | VI<br>5 | *<br>*/ | 5 1   | 4     | e vi   | ≥ 2%   | 2 1     | ¥1 ¥1       | ¥1 VI                      | Ā     | AI    | # AI  | AI %  | ≥ 5/16 | AI N   | ٥      |
| NO CEILING |         | 28.4    | 28.4  |       |        | 28.4   |         | 8           |                            | 28.4  | 28.4  |       | 28.4  | 28.4   |        |        |
| 1 20000    |         | 50.3    | 50.3  | 50.3  | 50.3   | 50.3   | 50.3    | 0           | 50.3                       | 50.3  | 50.3  | 50.3  | 0     | 50.3   | 50.3   | 50.3   |
| 2 18000    |         | 51.6    | 51.6  | :     | 51.6   | 51.6   | 51.6    | 51.6        |                            | 51.6  | 51.6  | 51.6  | 51.6  | -      | 51.6   | 51.6   |
|            |         | 52.3    | 52.3  | 52.3  | 52.3   | 52.3   | 52.3    | 2           | 52.3                       | 52.3  | 52.3  | 2.    |       | 2.     | 52.3   | 52,3   |
|            |         | 56.1    |       |       | 56.1   | 56.1   |         |             |                            | 56.1  | 56.1  | 56.1  | 1.96  | 56.1   | 56.1   | 56.1   |
| ≥ 12000    |         | 63.6    | •     | 63.9  | 63.9   | 63.9   | 63.9    | 63.6        | 63.9                       | 63.9  | 63.9  | 63.   | 63.9  |        | 63.9   | 63.9   |
| N 10000    |         | 72.9    | •     | 2.    | •      | 72.9   | •       | 2.          | 72.9                       | 72.9  | •     | 72.   |       |        | 72.9   |        |
|            |         | 19.4    |       | 19.4  | 19.4   | 19.4   | 19.4    | 79.4        | 79.4                       | 79.4  | 79.4  |       | 79.4  | 79.4   | 79.4   | 79.4   |
|            |         | 80.7    | •     | .0    |        |        |         | 0           | 80.7                       | 0     | 0     | 00    | 0     | 0      | 0      |        |
| 2 7000     |         | 81.9    | •     |       | -      | -      |         | 81.9        | -                          |       | •     | 81.   | 81.9  | 81.9   |        | 81.9   |
| 0009 A     |         | 81.9    | •     | 81.9  | •      | 61.9   | -       | 81.9        | -                          | 81.9  | -     | 81.   | -     | -      | 81.9   | 81.9   |
|            |         | 81.9    | •     | •     | :      | 81.9   | 81.9    | 81.9        | 81.9                       | •     | 81.9  | 81.   | 81.9  |        | :      | 81.9   |
| > 4500     |         | 81.9    | 81.9  | 81.9  |        | 81.9   | 81.9    |             |                            | 81.9  | 81.9  | 81.9  | 81.9  | 81.9   | 81.9   | 81.9   |
| 000 A      |         | 83.2    | •     | 83.9  |        | 3      | 83.9    | 83.9        | 83.9                       |       | 83.9  | 83.   | 3     | 3      | 83.9   | 83.9   |
| 3500       |         | 83.2    |       | 83.9  | 83.9   | 83.9   | -       |             |                            | 83.9  | 3     | 83.9  |       | 83.9   | 83.9   | 83.9   |
| > 3000     |         | 85.2    | •     |       | 85.8   | 5.     | 85.8    | 5.          | 85.8                       | 5     | 85.8  | 85.   | 85.8  | 3      | 3      | 85.8   |
| 2 2500     |         | 85.8    | •     | .0    | 86.5   | 86.5   | .0      | 86.5        | 86.5                       | 86.5  | •     | 86.5  |       | 86.5   | 86.5   | 86.5   |
|            |         | 85.8    |       | 86.5  | 86.5   |        | 86.5    | 86.5        | 86.5                       | 86.5  | 86.5  |       |       | 86.5   | 86.5   | 86.5   |
| 1800       |         | 85.8    | •     | 86.5  | 86.5   |        |         | 86.5        | 86.5                       | 86.5  | 86.5  | 86.   |       |        | 86.5   | 86.5   |
| - 1        |         | 89.0    | 89.0  | 0     | 6.06   | 0      | 6006    |             | 90.3                       | 90.3  | •     | 0     | 90.3  | 90.3   | 90.3   | 90.3   |
| 1200       |         | 91.0    | 91.6  | 65.6  | 6.26   |        |         | 3           |                            | 92.9  | 92.9  | 92.   | 92.9  | 92.9   | 6.26   | 65.6   |
| - 1        |         | 94.2    | 1.96  |       |        |        | 97.4    |             | 97.4                       | _     | 97.4  |       |       |        |        | 97.4   |
| 8<br>Al    |         | 2.46    | 96.1  | 4.16  | 4.76   | 4.26   | 4.16    | 4.16        | 97.4                       | 97.4  | 97.4  | 97.4  | 97.4  | 97.4   | 97.4   | 4.16   |
|            |         | 96.1    | 98.11 | 00.00 | 00.00  | 00.00  | 100.001 | 100.001     | 100.00                     | 100.0 | 100.0 | 10000 | 100.0 | 100.0  | 100.00 | 100.0  |
| 92 4       |         | 96.1    | 11.   | 00.01 | .00.00 | .00.01 | 100.00  | 100.001     | 100.001                    | 100.0 | 100.0 | 10    | 100.0 | 100.0  | 100.00 | 0000   |
| 09<br>AI   |         | 96.1    | . 111 | 00.00 | 00.00  | .00.01 | 100.001 | 100.001     |                            |       | 100.0 | 100   |       |        | 10000  | 0000   |
| 005 A      |         | 96.1    | 11.   | 00.01 | 00.00  |        | 0.001   | 100.00      | 100.0                      | 100.0 | 100.0 | 100   | 100.0 | 100.0  | 100.00 | 00.00  |
|            |         | 96.1    | . 111 | 00.00 | 100.00 | .00.01 | 100.001 | 100.001     | 10000                      | 100.0 | 100.0 | 10    | 100.0 | 100.0  | 100.00 | 00.00  |
| 9g<br>Al   |         | 96.1    | =     | 00.00 | 00.00  | 0      | 100.00  |             |                            | 100.0 | 0     | 100   |       | 100.0  | 10000  | 0000   |
|            |         | 96.1    | 11.   | 00.01 | 00.00  | 00.00  | 100.001 | 100.001     | 100.001                    | 100.0 | 100.0 | 100   | 100.0 | 100.0  | 100.0  | 00.001 |
| 8          |         | 96.1    | 17.   | 00.01 | 00.00  | .00.01 | 100.001 | 100.00      | 100.001                    | 100.0 | 100.0 | 100   | 100.0 | 100.0  | 100.0  | 00.00  |
|            |         | 96.1    | • 11  | 00.01 | 00.00  | 00.00  | 100.00  | 100.00      | 100.001                    | 10000 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0  | 00.00  |

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

41406 STATION

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) AGANA, GUAM

22 HOURS (1 S.T.)

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|       | 9 AI | -    |       | -    |      | -    |      |      |       |         |                |      |         |        |       |      |
|-------|------|------|-------|------|------|------|------|------|-------|---------|----------------|------|---------|--------|-------|------|
|       |      | ۸I   | \$ 1  | *    | e Al | ≥ 2% | AI   | 71   | ¥ 1   | -<br>AI | <i>≱</i><br>∧I | *    | Z<br>Al | ≥ 5/16 | AI    | AI   |
|       |      | 38.7 | 38.7  |      |      |      |      |      | 38.7  | 1000    |                |      | 38.7    | 38.7   |       |      |
|       |      | 58.1 | 58.1  | 58.1 | 58.1 | 58.1 | 58.1 |      | 58.1  | 58.1    | 58.1           |      | 58.1    |        | 58.1  |      |
|       |      | 58.1 |       | 58.1 |      |      | 8    | 58.1 |       |         | 8              | 58.  | 58.1    | •      | 58.1  | 58.1 |
|       |      | 58.7 | 58.7  | 58.7 | 58.7 | 58.7 | 58.7 |      | 58.7  | 58.7    | 8              | 58.  |         |        | -     | 58.7 |
|       |      | 0.09 | 60.09 | 0    |      | 0    |      | 0    |       |         | 0              | •09  |         | 0      | •     |      |
|       |      | 68.4 | 68.4  | 8    | 4.80 | 4.80 |      |      | 4.89  |         |                | 68.  |         | 8      | 4.89  |      |
|       |      | 78.7 |       |      | 8    | 20   | *    | 8    |       | 00      | 8              | 78.  |         | 8      |       |      |
|       |      | 85.2 |       | 5    | 85.2 | 2    |      | 5    |       | 3       |                | 85.  |         | 5      | 3     |      |
|       |      | 85.8 |       |      | 3    | 10   |      | 3    | 5     |         | 3              | 85.  |         | 85.8   | 85.8  | 85.6 |
|       |      | 86.5 |       |      |      | 9    |      |      | 86.5  |         |                | 86.  |         | .9     |       |      |
|       |      | 86.5 |       | .0   | 9    | 9    | 9    |      | 0     | .0      | 9              | 86.  |         | .0     |       | 86.  |
| 1     |      | 86.5 |       |      |      | 9    |      |      | 86.5  | 86.5    |                | 86.  | ;       | .0     |       | 86.  |
| ĺ     |      | 86.5 |       | 9    |      | 9    | 9    |      | 0     |         |                | 86   | 0       | 9      |       |      |
| 000   |      | 89.0 |       | 6    |      | 6    |      |      |       |         |                | 89.  | •       | 6      |       |      |
| 1     |      | 89.7 |       | 6    | 0    | 0    | 6    | 0    | 6     |         |                | 89.  | 0       |        |       | 89.  |
| 3000  |      | 91.6 |       | -    |      | -    | -    | -    | -     | -       | :              | 91.  | 91.     | -      | =     | 91.6 |
|       |      | 92.3 | 6.26  | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3  | 92.3    | 92.3           | 92   | 92.3    | 92.3   | 92.3  | 92.  |
| 2000  |      | 92.3 |       | 2    | ~    | 2    | 2    | 2    | ż     | 2       | 3              | 92.  | 92.     | 2      | 5     | 92.  |
|       |      | 92.3 |       | 3    |      | 2.   |      | 2    | 3     | 2       | 2.             | 92.  | 92.     | 92.3   | 92.3  | 92.  |
| 1500  |      | 92.3 |       | 2    | 2    | 2    | ?    | 2    |       | 2       | è              | 92.  | 92.     | 92.3   |       | 92.  |
|       |      | 94.2 |       | *    |      | *    |      | ;    | •     |         | •              | . 76 | 0       | 94.2   |       |      |
| 90    |      | 96.1 |       |      | -    | -    |      | -    |       | :       | 97.4           | -    | 97.     | -      |       |      |
|       |      | 1.96 |       |      | 4.70 | 7    | 4.16 | -    |       | -       | 97.4           | 97.4 |         |        | 98.1  |      |
| 8     |      | 96.1 | 7.86  |      |      | 98.7 |      |      |       | 98.7    |                |      | 8       |        | \$ 66 |      |
|       |      | 1.96 | 98.7  |      | 98.7 | 8    | 7.86 |      |       | -       | 7.86           | 98.7 | 83      | 00     | 4.66  | 66   |
| 8     |      | 96.1 | 4.66  |      |      | 4.66 |      |      | •     | 4.66    |                | 4.66 | 4.66    |        | 10000 | 100  |
|       |      | 96.1 | 4.66  | 4.00 | 4.66 | 6    | 4.66 | 4.66 | 4.66  |         |                | 4.66 | 4.66    | 4.66   | 100.0 | 100  |
| 8     |      | 96.1 | 4.66  |      |      | 4.66 |      | 124  |       |         |                |      |         |        |       |      |
|       |      | 96.1 | 4.66  |      |      | 6    | 9.66 | 4.66 | 4.66  | 4.66    | 7.66           | 4.66 |         | 4.56   | 10001 |      |
| N 200 |      | 96.1 | 4.66  | 4.66 | 4.66 | 4.66 |      | 6    | \$ 66 | 4.66    |                | 6    | _       |        |       | 100  |
| 8     |      | 96.1 | 4.66  |      | 4.66 | 4.66 | 4.66 | 4.66 |       | 4.66    | 4.66           | 4.66 | 4.66    |        | 10000 | 100  |
| 0     |      | 96.1 | 4.66  |      | 4.66 | 6    | 4.66 |      | 4.66  |         |                |      | 4.66    | 4.66   | 10000 |      |

TOTAL NUMBER OF OBSERVATIONS

9

5703

CEILING VERSUS VISIBILITY

| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|------------------------------------|----------------------------|

YEARS

| CEILING    |   |         |           |      |          |       |         |       |          |      |      |       |      |        |      |     |
|------------|---|---------|-----------|------|----------|-------|---------|-------|----------|------|------|-------|------|--------|------|-----|
| (FEET)     | 2 | o<br>Al | \$9<br>Al | *    | es<br>Al | N 2 1 | %<br>AI | ¥2 ¥1 | <u>₹</u> | ÃI   | AI   | *     | N N  | ≥ 5/16 | AI   | ٨١  |
| NO CEILING |   | 33.2    | 33.2      | 33.2 | 33.2     | 53    | 33.2    | 33.2  | 33.2     | 33.2 | 33.2 | 33.2  | 33.2 | 33.2   | 33.2 | 33. |
| 1          |   | 9       |           |      |          |       |         |       |          |      |      | S. R. | W.   |        |      | "   |
| 2009       |   |         | :         | 20.0 | 20.5     | 1 6   |         | 25.0  |          |      |      | 55    | 55   | 1 10   | 28   |     |
|            |   |         |           | 8    |          | 58.   | 58.1    | 58.1  | 58.1     | 58   | 58.  | 58.   | 58.  | 58     |      |     |
| > 12000    |   | 65.5    |           | 3    |          | 0     |         | 5     | -        | 65.  | 65.  | 65.   | 65.  | 0      | 3    | •   |
| 1          |   |         | :         |      |          | 76.   | :       |       |          | 76.  | 76.  | 76.   | 76.  | 76.    |      | -   |
| 000        |   | 80.2    |           | 0    | 80.6     | 80.   | 6       | 0     | 0        | 80.  | 80.  | 80.   | 80.  | 30     | 0    |     |
| 1          |   | 82.0    | 2         | 2.   | 2.       | 82.   | 2.      | 2.    | 3        | 82.  | 82.  | 82.   | 82.  | 82.    | 2.   | 80  |
| 700        |   | 82.7    |           |      | -        | 83    | 3       |       |          | 83.  | 83.  | 83.   | 83.  | 83.    | 3.   | 80  |
| 1          |   | 82.7    |           | 83.1 |          | 20    | 3       | 83.1  | 100      |      | 83.  | 83.   | 83.  | 83.    | 83.  | 83  |
| 2000       |   | 83.2    |           |      | -        | 83.   |         |       |          | 83.  | 83.  | 83.   | 83.  | 83.    | 83.  | •   |
| 1          |   | 83.2    |           |      | -        | 63    |         |       |          | 83.  | 83.  | 83.   | 83.  | 83.    | 83.  | 0   |
| 000        |   |         | :         |      |          | 84.   | :       | ;     | *        | 84.  | 84.  | 84.   | 84.  | 84.    | 84.  | 00  |
|            |   | 84.5    | :         |      | 5        | 85    |         | 5     | S        | 85.  | 85.  | 85.   | 85.  | 8      | 85.  |     |
| 3000       |   | 85.5    | -         | -    | -        | 87.   | :       | -     | -        | 87.  | 87.  | 87.   | 87.  | 87.    | 87.  | 8   |
| 2 2500     |   | 87.2    |           |      |          | 88    |         |       |          | 88   | 88.  | 88.   | 88.  | 88.    | 88.  | •   |
|            |   |         |           |      |          | 88.   |         |       |          | 88.  | 88.  | 88.   | 88.  | 88.    | 88.  | •   |
|            |   | 87.7    |           |      |          | 88    | 8.      |       | 8        | 88.  | 88.  | 88.   | 88.  | 88.    | .88  | 00  |
| 1500       |   |         | -         | -    | -        | 91.   | -       | -     | -        | 91.  | 91.  | 91.   | 91.  | 91.    | 91.  | •   |
|            |   |         |           | 5    | 3        | 95.   | 5       | 5     | 5        | 95.  | 95.  | 95.   | 95.  | 95     | 95.4 |     |
| 0001       |   | 95.3    | 2         | -    |          | 98.   |         |       | 00       | 98.  | 98.  | 98.   | 98.  | 98.    | •    |     |
|            |   | 95.3    | :         | -    | 8        | 98.   |         | 8     |          | 98.  | 98.  | 98.   | 98.  | 0      | 0    |     |
| 8<br>AI    |   | 95.4    |           |      |          | 98.   | 6       |       |          | .66  | 99.  | 66    | 99.  | 99.    | 99.  | 0   |
|            |   | 95.9    |           |      |          | 98.   | 6       |       | 6        | 99.  | 99.  | 99.   | 99.  | 99.    | 0    | 66  |
| 8          |   | 96.0    |           |      |          | 66    |         |       |          | .66  | .66  | 99.   | 99.  | 99.    | 99.  | •   |
|            |   | 96.1    |           |      |          | 0     |         |       | 0        | 99.  | 99.  | 99.   | 66   | 0      | 99.  | 66  |
| 007        |   | 96.1    |           |      |          | 99.   | 6       |       | 6        | 99.  | .66  | 66    |      | 99.    | 99.  | 0   |
| 300        |   | 1.96    | 98.3      | 98.7 |          | 66    | 9.66    | 96.6  | •        | 99.  | 66   | 60    | •    |        |      | 99. |
|            |   | 96.1    |           | 98.7 | 0        | 0     | 6       |       | 6        | .66  | .66  | .66   | 6    | 66     | 66   | 20  |
| 8          |   | 96.1    |           | 98.7 | ö        | 0     | 6       | 99.7  | •        | 0    | 0    | 0     |      | 66     |      | 2   |
|            |   | 96.1    | 98.3      | 7.96 | E. 66    | 0     | 0       |       | Ġ        | 000  | 99.  | 99.   | 6    | 0      | 000  | 5   |

TOTAL NUMBER OF OBSERVATIONS

1240

1234-18766

**CEILING VERSUS VISIBILITY** 

| PERCENIAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |  |
|------------------------------------|----------------------------|--|
| PERCENIAGE FREQ                    | (FROM HOUR                 |  |

. .

|   | 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  | 25 24 23 23 23 23 23 24 28 3 3 25 24 28 3 3 28 3 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 2 3 2 | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                        | 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                        | 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                        | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                                    | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3  | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3         | 25 24 23 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.                            | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                             | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                             |
|---|---|--|--|---|---|---|--|---|---|--|---|--|---|---|---|
| 25 1 65 1 65 1 65 1 65 1 65 1 65 1 65 1                     | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 | 48.3 48.3 48.3 48.3 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1  | 25 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2                         | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                       | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                       | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                                    | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 | 25 24 23 22 21 21 21 21 21 21 21 21 21 24 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48. | 25 24 23 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48. | 48.3 48.3 48.3 48.3 48.3 48.9 48.9 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                             | VISIBILITY (STATUTE MILES)  48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 |
| 4 6 6 5 1 1 6 6 5 1 1 6 6 5 1 1 6 6 5 1 1 6 6 5 1 1 6 5 6 5 | 4 4 4 4 5 5 5 5 6 5 6 5 6 5 6 5 6 5 6 5 | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3  | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                        | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                       | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                       | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.48.3 48.48.3 48.3                         | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3  | 24 23 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.    | 24 23 22% 22 2 1% 21% 21% 21% 21% 21% 22% 22%                              | 24 23 22h 22 2h 2 1h 2 1h 2 1 2 2 2 2 2 2 2 2   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                             | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                             |
| V   | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4   | 48 48 48 48 48 48 48 48 48 48 48 48 48 4   | 48.3 × 23, × 23, × 24, 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1 | 48.3 × 23, 23, 48.3 × 23, 23, 23, 23, 23, 23, 23, 23, 23, 23, | 48.3 × 23, 23, 48.3 × 23, 23, 23, 23, 23, 33, 33, 33, 33, 33, | 48.3 \$2% \$2 \$2 \$1% \$1% \$48.3 \$ | 48.3 48.3 48.3 48.3 48.3 48.4 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1      | 48.3 + 216   2   116   2   11   2   1 | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3  | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3         | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                                    | \$\(\circ{\ci | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                             | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                             |
|   | ^                                       |  | 23, 23, 23, 24, 24, 25, 25, 25, 25, 25, 25, 25, 25, 25, 25     | 100 0100 0100 0100 0100 0100 0100 0100                        | 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0                       | 48.3 48.3 48.3 48.3 48.3 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1  | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1 | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3   | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 | 48.3 48.3 48.9 48.3 48.3 48.3 48.3 48.4 48.3 48.3 48.3                           | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3         | 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3                                    | VISIBILITY (STATUTE MILES)  2 21, 2 2 2 113, 2 11, 2 1 2 3, 2 3, 48 3 48 3 48 3 48 3 48 3 48 3 48 3 4   | VISIBILITY (STATUTE MILES)  48.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 | 48.3 48.3 48.9 46.3 48.3 48.3 48.3 48.3 48.3 48.3 48.3 48           |

TOTAL NUMBER OF OBSERVATIONS

NOURS (1 S T )

SEP

### 2222

CEILING VERSUS VISIBILITY

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GUAN

YEARS

| CEILING    |   |      |      |      |      |      | VIS | IBILITY (ST. | VISIBILITY (STATUTE MILES) | (\$) |         |      |       |        |      |         |
|------------|---|------|------|------|------|------|-----|--------------|----------------------------|------|---------|------|-------|--------|------|---------|
| (FEET)     | 5 | ۸I   | N N  | *    | 8 1  | 2 2% | 1 2 | V 75         | ¥ 1                        | Ā    | ≱<br>Al | *    | N N   | ≥ 5/16 | AI   | O<br>Al |
| NO CEILING |   | 51.7 |      | 51.  | -    |      | 51. |              | :                          |      | :       |      | -     | -      | -    |         |
| ≥ 20000    |   | 68.5 |      | 68   | 8    | •    | 68. |              | 00                         |      | 8       |      | 8     | 8      |      | 68.5    |
| N 18000    |   | 68.5 |      | 68.  |      | 8    | 68. |              | 68.5                       | 8.   |         |      | 8     | 8      | 8.   | 68.5    |
| ≥ 16000    |   | 68.5 |      | 68.  | 8    | •    | 68. |              | 8                          |      | 8       |      | 8     | 8      |      |         |
| 2 14000    |   | 6    | 69   | .69  | 6    | 69.1 | .69 | 69.1         |                            |      | 6       | 69.1 | 6     | 69.1   | 6    |         |
| ≥ 12000    |   | 71.8 | 71.  | 71.  | •    | 1    | 71. | •            | 71.8                       | -    | -       | -    | -     | -      | -    | 71.8    |
| 2 10000    |   |      | 80.  | 80.  | 0    | 0    | 80. | 0            | 0                          | 0    | 0       | 0    | 0     | -      | -    | 81.2    |
| > 2000     |   |      | 82.  | 82.  | 2.   | 2.   | 82. |              | 2.                         |      | 2.      | 2.   | 2.    | 3      | 3    | 83.2    |
|            |   | 85.2 | 85.  | 85.  | 5.   | 5    | 85. | 5            | 5                          | 5    | 5       | 5.   | 5.    | 5      |      | 85.9    |
| > 7000     |   |      | 85.  | 85.  | 3    | 5    | 85. |              | 5                          | 5    | 5       | 5    | 3     | 5      | 3    | 85.9    |
|            |   |      | 85.  | 85.  | 3    | 5    | 85. | 3            | 5                          |      | 5       | 3    | 5     | 9      | 9    | 86.6    |
| 2000       |   |      | 38   | 85.  | 5    | 5    | 85. |              |                            | 3    | 5       |      | 10    | 9      | •    | 86.6    |
|            |   | 85.9 | 83   | 85.  |      | 15   | 85. | 3            | 3                          | 85.9 | 3       | 3    |       | 86.6   | 86.6 | 86.6    |
| 4000       |   | 85.9 | 85.  | 85.  | 3    | 3    | 85. | 3            | 5                          | 5    | 3       | 5    | 3     | .0     |      | 86.6    |
|            |   | 3    | 85.  | 85.  | 5.   | 3.   | 85. | 85.9         | 5                          |      | 5       | 5    | 5     | .9     |      |         |
| 2 3000     |   | 86.6 |      | 86.  |      |      | 86. |              | .0                         |      |         |      |       | -      | -    | 87.3    |
|            |   | 7.   |      | 87.  | -    | 7    | 87. |              | -                          | -    | -       | 7.   | 7.    | 8      |      | 88.6    |
| ≥ 2000     |   | 87.3 |      | 87.  | 7.   | 7    | 87. | -            | 1.                         | -    | -       |      | -     |        |      | 88.6    |
| × 1800     |   | 87.3 |      | 87.  | 7.   | 7.   | 87. | 7.           | 7.                         |      | -       | -    | 7.    | 60     | 88.6 | 88.6    |
| > 1500     |   |      |      | 89.  | 6    | 6    | .06 |              | 0                          | ċ    | 0       | 0    | 0     | -      | -    | 91.3    |
|            |   |      |      | 96   | .0   |      | 97. | 7.           | 7.                         | -    | 7       | 7    | 7.    |        |      | 98.7    |
| > 1000     |   | 95.3 |      | 98.  | 8    | 8    | 98. | 8            | 8                          |      | 8       | 8    |       | 0      | 0    | 00.00   |
| 8          |   | 95.3 |      | . 86 | 8    | 00   | 98. |              | 8.                         |      | 8       | 8    |       |        | -    | 0000    |
|            |   | 95.3 |      | 98   |      | -    | 98  |              | 9                          | *    | 8       | 8    |       |        | 100  | 0000    |
| 200        |   | 95.3 | 61.3 | 0.86 | 98.0 | 98.0 | 0   | 98.7         | 7.86                       |      | 98.7    | 98.7 | 98.71 | 10000  | 100  | 0.00    |
| 0<br>1     |   | 95.3 |      | 98.  | 8    | 90   | 98. |              | 8                          | 8    | 8       | 8    |       |        | 00   | 0000    |
| 8          |   | 95.3 |      | .86  |      |      | 98. |              |                            | 7.86 |         | 8    | 98.71 | 00     | 100  | 0000    |
| 1 400      |   | 95.3 |      | 98.  | 8    |      | 98. | 98.7         | 7.86                       | . 8  | 8.      |      |       | 000    | 100  | 0000    |
| ,          |   | 0.0  |      | 0.0  |      | Q.   | 00  | 0            | a                          |      | 8       |      | 0     | 00     | 00   | 1       |

TOTAL NUMBER OF OBSERVATIONS

149

¥

98.7100.0100.0100.0

98.7 7.86

7.86 7.86

7.86 98.7

7.86

7.86

98.7 98.7

98.0 98.0 98.7

98.7100.0100.0100.0

98.7100.0100.0100.0

7.86

7.86 7.86 98.7 98.7

98.7

7.86

98.7 98.7 98.7

98.7 98.7

0.86 0.86 0.86 0.86 98.0 98.0

97.3 61.3

95.3 95.3

88

AIAI

67.3 16

80

ALAI

0

AGANA, GUAM

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.) SEP

....

5703

| NO CEILING   NO    | V   | ~ 40000 ~ m m m m m m m                    |   | 45.0<br>62.4 | ≥ 2% | 2 A  | ۲۱ ۲۱<br>۲۰ ۲۹ و و و و و و و و و و و و و و و و و و | ¥1 VI | - AI | ≯<br>AI | * 1   | VI<br>Sc | 5/16<br>F 5/16 | Z AI    |       |
|--|---|--|---|--------------|------|------|--|-------|------|---------|-------|----------|----------------|---------|-------|
| NO CEILING IV 12000 IV 17 10000 IV 17 10000 IV 17 10000 IV 18 100000 IV 18 10000 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4       | \$ 0000 mm mm mm mm mm mm mm mm mm mm mm m | n-00m0m00000                            | 5-100        |      |      | 5  |       |      | 1       |       |          | 37             |         | ٨١    |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1  | 72322   | 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0    | - ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | -200         |      | 5    |  | 5     | 45.6 | 45.6    | 45.6  | 45.6     | 40.            | 45.6    | 45.6  |
|  | 2000  | 200000000000000000000000000000000000000    | 20000000000                             | 2.           | 61.7 | 61.7 | •  | 61.7  | 61.7 | 61.7    | 61.7  | 61.7     | 61.7           | 61.7    | 61.7  |
|  | 200 27 30 30 30 30 30 30 30 30 30 30 30 30 30 | 200000000000000000000000000000000000000    | 200000000                               | •            | 62.4 | 62.4 | 62.4   | 62.4  | 62.4 | 62.4    | 62.4  | -        | 62.4           | 4.29    | 62.4  |
|  | 20000   | 8    | m ~ m 00 0 0 0                          |              | 62.4 | 62.4 | 62.4   | 62.4  | 62.4 | 62.4    | 62.4  | 2.       | 62.            | 62.4    | 62.4  |
|  | 2000  | 88 88 88 88 88 88 88 88 88 88 88 88 88     | 200000                                  | 3.           | 63.8 |      | 63.8   | 3.    | 63.8 | 3.      | 63.8  |          | 63.            | 63.8    | 63.8  |
|  | 6 0 0   | 8 8 8 8 8 8                                | m 00000                                 |              | 72.5 | 72.5 |  |       | 2    | 72.5    | 72.5  |          | -              | 72.5    | 72.5  |
|  | 900   | 8 8 8 8 8                                  | 00000                                   |              | 3.   |      |  | 83.9  | 83.9 |         | 3.    |          | 83.            | 3       |       |
|  | 68  | 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9    | 0000                                    |              |      |      | 86.6   |       |      | 86.     |       |          | 86.            | 86.6    | 36.6  |
|  | •   | 000  | 000                                     | 6            | 6    | 6    | 6  | 6     | 6    | 89.     | 6     | 6        | 89.            | 6       |       |
| I was not been a   | 50  | 000  | 00                                      |              | 6    | 89.3 |  | 89.3  | 6    | 89.     | 6     | 6        | 89.            | 6       | 89.3  |
|  | 89.   | æ  | 0                                       | 89.3         | 6    |      | 89.3   | 89.3  | 89.3 |         | 89.3  | 89.3     |                | 89.3    | 89.3  |
| 1  | 68  | ,  |   | 6            | 89.3 | 89.3 |  | 6     |      | 89.     | 6     | 6        | 89.            | 6       | 89.9  |
|  | 89  | 89.  |   | 6            | 6    | 6    | 6  | 89.3  | 6    | 89.     | 6     | 6        | 89.            | 6       | 89.9  |
|  | 90.   | 0  |   |              | 0    |      |  | 0     |      | .06     | 90.06 | -        | 91.            | -       | 91.3  |
|  | 606   | .06  | 0                                       | 0            |      | ċ    | 0  | 0     | 0    | .06     |       |          | 91.            |         | 91.3  |
| 300  | 92.   | 6  | 92.0                                    | 92.0         | 2    | 92.0 | 92.0   | 92.0  | 92.0 | 92.     | 5     | 3        | 92.            | 2.      | 95.6  |
| 1  | 93  | 93.  | 93.                                     | 3            |      | 3    | 93.3   |       |      |         |       | 0.46     | 94.            | 0.46    | 0.46  |
| 2000   | .46   | . 96 0                                     | 0                                       |              | *    | 0.46 |  | 0.46  |      | 94.     |       |          | 94.            | ;       | 94.6  |
|  | 94.   | 6 0  | 0                                       |              |      | *    |  | *     |      | . 46    |       | 94.6     | 94.            | 94.6    | 94.6  |
| 1500   | 95.   | 3 95.                                      | 95.                                     | 95.3         | 30   |      | 95.3   | 3     |      | 95.     | 5     | 0        | 96.0           | 0.96    | 96.0  |
|  | 97.   | 3 97.                                      | 97.                                     |              | 97.3 | 97.3 | 97.3   | 97.3  | 97.3 | 0       | 97.3  | 80       | 98.            | 98.0    | 98.0  |
| 0001   | 98.   | 0  |   |              |      |      |  | 6     | 6    | .66     | 6     | 100.0    | 10000          | 100.00  | 1000  |
|  | 86  | 7 98.7                                     | 98.7                                    |              | 8    |      | 99.3   | 6     |      | 0       | 66.3  | 0        | -              | 100.0   | 100.0 |
| 8<br>Al  | 98  | 7 98.7                                     | 00                                      | 8            | •    |      |  |       |      | .66     | 6     | 0        | 100.0          | 100.00  | 100.0 |
|  | 98  | 7 98.7                                     |   |              |      |      | 99.3   | 6     |      | .66     | 86.3  |          | 100.0          | 100.0   | 100.0 |
| 99   | 98  | 7 98.7                                     |   |              | 8    |      | 99.3   | 6     |      | 66      |       | 100.0    | 100.0          | 100.001 | 100.0 |
|  | 86  |  | 7.86                                    | 7.86         |      | 7.86 | 99.3   | 99.3  |      |         | 6     |          | -              | 100.0   | 100.0 |
| 004 1  | 98  | 7 98.7                                     | 98.7                                    |              | 8    |      | 99.3   | 6     |      | 0       | 6     | 100.0    | 10000          | 100.001 | 100.0 |
| 300  | 96  |  | 98.7                                    | 7.86         | 80   | 48.7 |  | 6     | 99.3 | 0       |       |          | -              | 100.0   | 100   |
| ام<br>ام   | 96  | 7 98.7                                     | 98.7                                    | 98.7         | 98.7 | 98.7 |  |       | _    | 99.3    | 86.66 | 100.0    | -              | 100.0   | 100.0 |
| 8  | 86  | 7 98.7                                     | 98.7                                    | 98.7         |      | 98.7 | 66   | 99.3  |      |         |       | 100.0    | 10000          | 10000   | 100   |
|  | 98  | 7 98.7                                     | 98.7                                    | 7.86         | 98.7 | 98.7 | 99.3   |       | 99.3 | 66.3    | 86.3  | 100.0    | 10000          | 100,001 | 1000  |

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

NOURS (LST.)

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |   |         |      |       |      |      | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | £S)  |      |       |      |        |       |       |
|------------|---|---------|------|-------|------|------|------|-------------|----------------------------|------|------|-------|------|--------|-------|-------|
| (FEET)     | 5 | 9<br>Al | \$   | AI AI | E AI | 2 2% | 7 AI | ¥1 Y1       | ¥1 YI                      | Ā    | AI   | AI AI | N Z  | ≥ 5/16 | AI N  | ٨١    |
| NO CEILING |   | 80      |      | 28.2  | 28.2 | 28.2 | 8.   | 28.2        | 28.2                       | 28.2 | 28.2 | 28.   | 28.2 | 28.2   | 2     | 28.2  |
| N 20000    |   |         | 55.0 | 55.0  | 55.0 | 55.0 | 55.0 | 55.0        | 1                          | 5    | 55.0 | 55.   | 55.0 | 55.0   | 55.0  | 55.0  |
| N 18000    |   | 3       |      | 55.0  | 55.0 | 55.0 |      |             | 55.0                       | 55.0 |      | 55.   |      | 5.     |       | 55.0  |
| ≥ 16000    |   |         |      | 55.0  | 55.0 | 55.0 | 55.0 | 55.0        | 55.0                       | 55.0 | 55.0 | 55.   | 55.0 | 55.0   | 55.0  | 55.0  |
|            |   |         | 57.7 | 57.7  |      | 57.7 |      |             | 57.7                       | 57.7 |      | 57.   |      | 57.7   |       | 57.7  |
| ≥ 12000    |   |         | 67.1 | 67.1  | 67.1 | 67.1 | 67.1 | 67.1        | 67.1                       | 67.1 |      | 67.   | 67.1 | 67.1   | 67.1  | 67.1  |
|            |   | 3       | 75.2 | 75.2  | 75.2 | 75.2 |      | 75.2        | 3                          |      |      | 75.   |      |        | 3     | 75.2  |
| 0006 ×     |   | -       | 77.9 | 77.9  | 77.9 |      | 77.9 | 77.9        | 77.9                       | 77.9 |      | 77.   | 77.9 | 77.9   | 77.9  | 77.9  |
| - 0.5      |   |         | 81.2 | 81.2  |      | 1.   | :    | -           | -                          | :    | :    | 81.   | -    | -      | =     | 81.2  |
| ≥ 7000     |   | :       | 81.2 | 81.2  | 81.2 | 81.2 | 81.2 | 81.2        | 81.2                       | 81.2 | 81.2 | 81.   | 81.2 | 61.2   | 81.2  | 81.2  |
| 1          |   | 1.      | 81.9 | •     | :    | 81.9 | :    | -           | -                          | -    | :    | 81.   | -    | -      | :     | 81.9  |
| 2 2000     |   |         | 81.9 | -     | 81.9 | -    | 81.9 | 81.9        | 81.9                       | :    | 81.9 | 81.   | -    | 81.9   | 81.9  | 81.9  |
|            |   | 81.9    | 81.9 |       | :    | 81.9 |      | 1 -         | 1000                       |      |      |       | 81.9 |        |       | 6.    |
| 0007       |   | 'n      | 5    |       | 85.2 |      | 85.2 |             |                            |      | 5    | 85.   | 3    |        | 85.2  | 65.2  |
| > 3500     |   | 3.      | 85.2 | 85.2  |      |      | 5    | 85.2        | 5.                         | 85.2 | 85.2 | 85.   | 5    | 85.2   | 85.2  | 85.2  |
| > 3000     |   |         |      | -     | 87.3 | -    | 87.3 | 1           | •                          | -    | -    | 87.   | -    | -      |       | 87.3  |
| > 2500     |   |         | 86.6 | 87.3  |      | 87.3 |      | 87.3        | 87.3                       | 87.3 | -    | 87.   |      | 87.3   | 87.3  | 87.3  |
|            |   |         |      | 87.3  | -    | 1    | 87.3 | 87.3        | 87.3                       | -    | 2    | 87.   |      | 1      | 87.3  | 87.3  |
| V 1800     |   |         | 86.6 | 87.3  | 87.3 | 87.3 | 87.3 | 87.3        | 87.3                       | 87.3 | 87.3 | 87.   | 87.3 | 7.     | 87.3  | 87.3  |
|            |   | 3       | 93.3 |       | *    | 3    |      |             | 0.46                       | •    |      |       |      |        |       | 0.00  |
| 1200       |   |         | 97.3 |       | 98.0 | 98.0 |      |             |                            | •    |      | 98.0  |      | 98.7   | 98.7  | 7.86  |
|            |   |         |      |       |      |      | €.66 |             | 99.3                       | 6    |      | 6     | 99.3 |        | 100.0 | 00.0  |
| 8<br>41    |   |         | 98.0 |       | 7.86 | 98.1 |      |             |                            | 66.3 |      |       | ~    | 0      |       | 0.001 |
|            |   | 97.3    | 98.0 | 98.7  | 98.7 |      | 99.3 |             |                            | 66.3 |      |       | 9.3  | 0      | 10000 |       |
|            |   | 97.3    | 98.0 | 98.7  | 7.96 | -    |      | 99.3        |                            | 66.3 | 99.3 |       | 8.66 | 100.00 | 10000 | 0.001 |
| 09<br>^I   |   | 97.3    | 98.0 | 98.7  | 98.7 | 98.7 | 66.3 |             | 8.66                       | 8.66 |      |       | ~    |        | 10000 | 0.001 |
| 8 41       |   | 97.3    | 98.0 |       | 98.7 | 98.7 |      |             |                            | €.66 | 6    | 6     | 115  | 00     | 10000 | 0000  |
| 0 <b>4</b> |   | 97.3    | 98.0 | 7.86  | 98.7 | 98.7 | 99.3 | 99.3        | 99.3                       | 99.3 | 99.3 | 86.66 | 9.3  | 00     | 0.0   | 100.0 |
| 38         |   | 97.3    | 98.0 | 98.7  | 7.86 | 98.7 |      |             |                            | 66.3 |      |       | 9.3  | 0      |       | 0.001 |
| 14 300     |   | 97.3    |      | 98.7  | 98.7 |      | 99.3 |             |                            | 66.3 | 66.3 | 86.3  | 6.6  | 100.0  | 100.0 | 0000  |
| ٧١<br>8    |   | 97.3    | 98.0 | 98.7  | 98.7 | 98.1 | 66.3 | 99.3        | 86.66                      | 66.3 | 66.3 | 86.3  | 99.3 | 100.0  | 10000 | 0.001 |
|            |   | 97.3    | 98.0 | 98.7  | 1.86 |      | €.66 | 99.3        | 99.3                       | 66.3 | 66.3 | 86.3  |      |        | 10000 |       |

TOTAL NUMBER OF OBSERVATIONS

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£. ()

### CEILING VERSUS VISIBILITY

| 73-77 | ATION NAME YEARS | PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|-------|------------------|------------------------------------|----------------------------|
| GUAM  | •                |                                    |                            |

| CEILING    |    |         |         |       |         |       | VIS   | SIBILITY (S | VISIBILITY (STATUTE MILES) | LES) |       |      |       |      |        |       |       |
|------------|----|---------|---------|-------|---------|-------|-------|-------------|----------------------------|------|-------|------|-------|------|--------|-------|-------|
| (FEET)     | 71 | ۸I      | 8       | 4     | ε<br>Al | Y 2%  | 1 2   | ٧١<br>۶۲    | Y1 X1                      | ĀI   | AI    | AI . | ٨١    | 25   | ≥ 5/16 | AI    | 0 1   |
| NO CEILING |    | 8.22    | 22.8    | 22.8  | 22.8    | 22.8  | 22.8  | 22.8        | 3 22.8                     | 22.  | 8 22. | 8 22 | .8 2  | 2.8  | 22.8   | 22.8  | 22.8  |
| > 20000    |    | -       | 53.0    | 53.0  | 33.0    | 53.   | 53.0  | 33.0        | 3 53.0                     |      | 0 53. | 0 53 | 0     | 3.0  | 53.0   | 53.0  | 53.0  |
| N 18000    |    | 53.7    | 53.7    | 53.7  | 33.7    | 53.7  | 53.7  | 53.         | 53.7                       | 53.  | 7 53. | 7 53 | .7 5  | 3.7  | 53.7   | 53.7  | 53.7  |
| 00091 A    |    | 54.4    | 54.4    | 54.4  | 54.4    | 54.4  | 54.4  | 54.4        | 54.4                       | 54.  | 4 54. | 4 54 | . 4.  | 4.4  | 54.4   | 54.4  | 54.4  |
| > 14000    |    | 55.0    | 55.0    | 55.0  | \$5.0   | 55.0  | 55.0  | 55.0        | 55.0                       | 55.  | 0 55. | 0 55 | 0.    | 5.0  | 55.0   | 55.0  | 55.0  |
| > 12000    |    | 62.4    | 62.4    | 4.29  | 62.4    | 62.4  | 62.4  | 62.4        | 1 62.4                     | 62.  | 4 62. | 4 62 | 9 4.  | 4.2  | 62.4   | 62.4  | 62.4  |
|            |    | 71.1    |         | 71.1  | 71.1    |       | 71.1  | 71.1        | 1 71.1                     | 71.  | 1 71. | 1 71 | .1 7  | 1:1  | 71.1   | 71.1  | 71.1  |
| 0006       |    | 73.8    | 73.8    | 73.8  | 73.8    | 73.8  | 73.8  | -           | 3 73.8                     | 73.  | 8 73. | 8 73 | .8 7  | 3.8  | 73.8   | 73.8  | 73.8  |
|            |    | 79.2    | 79.2    | 79.2  | 79.2    | 79.   | 79.2  | 79.2        | 2 79.2                     | 79.  |       | 2 79 |       | 9.2  |        | 79.2  | 79.2  |
| 7000       |    | 80.5    | 80.5    | 80.5  | 80.5    | 00    | 80.5  | 80.3        |                            | .08  | 5 80. | 5 80 | 80    |      | 80.5   | 80.5  | 80.5  |
| 1          |    | 80.5    | 80.5    | 80.5  |         | 00    | 80.5  | 80.5        |                            | 80.  |       | 5 80 |       | 0.5  | 0      | 80.5  | 80.5  |
| 2000       |    | 80.5    |         | 80.5  |         | 80.   | 80.5  | 80.5        | 80.5                       | 80.  | 5 80. | 80   | •     |      | 80.5   |       | 80.5  |
| 1          |    | 80.5    | 80.5    | 80.5  | ò       | 80.   | 0     | 80.         | 80.                        | 80.  | 8     | 80   | .5    |      |        |       | 80.5  |
| 141        |    | 81.2    | 81.2    | 81.2  | 81.2    | 81.2  | 81.2  | 81.2        | œ                          | 81.  |       | 2 81 | 8     | 1.2  | 81.2   |       | 81.2  |
|            |    | 81.2    | 81.2    | 81.2  | 81.2    | 00    | -     | 80          | -                          | 81.  | 2 81. |      | .2 8  | 1.2  |        | 81.2  | 81.2  |
| 3000       |    | 82.6    | 82.6    | 82.6  | 5       | 82.   | 1000  | 82.6        | •                          | 82.  |       | 0    | 00    |      | 32.6   | 82.6  | 82.6  |
|            |    | 82.6    | 82.6    | 82.6  | 82.6    | 82.   | 82.6  | 82.         | 6 82.6                     | 82.  |       | 6 82 | .6 8  | 2.6  | 82.6   | 82.6  | 82.6  |
| > 2000     |    | 82.6    | 82.6    | 82.6  | 82.6    | 00    |       | 82.6        |                            | 82.  | 6 82. | 6 82 | .0    |      | 32.6   |       | 82.6  |
|            |    | 83.2    | 83.2    | 83.2  | 83.2    |       | 83.2  | 83.2        | 83.2                       | 83.  | 40.00 | 2 83 | .2 8  | 3.5  |        | 3     | 83.2  |
| ≥ 1500     |    | 90.06   |         | 91.3  | 91.3    | 5     | :     | 91.3        | 3 91.3                     | 91.  |       | _    | .3 9  | 1.3  | -      | 91.3  | 91.3  |
|            |    | 9.46    | 95.3    | 95.3  | 95.3    | 95.3  | 95.3  | 0           | 3 95.3                     | 6    | 3 95. | 3 95 | .3 9  |      | 95.3   | 95.3  | 95.3  |
| V 1000     |    | 98.0    | 100.001 | 00.00 | 100.0   | -     | 1001  | 10          | 0.0010                     | 100. | 0100  | 0100 | 20    | 0.01 | 00.00  | 0.001 | 100.0 |
| 006 1      |    | 98.0    | 100.001 | 0.001 | 100.0   | 100   | 100   | 10          | 0.0010                     | 1001 | 10    | -    |       |      | 0000   | 00001 | 100.0 |
| 800        |    | 98.0    | 100.001 | 0000  | 100.0   | -     | 100.0 | 9           |                            | 100. | 0100. | 0100 |       | 0    | 00.00  | 0000  | 100.0 |
|            |    | 98.0    | 100.001 | 0.001 | 100.0   | 100.0 | 100.0 | 10          | X100.0                     | 100. | 0100. | 0100 | .010  |      | 0000   | 0.001 | 100.0 |
| 009        |    | 98.0    | 100.001 | 0.001 | 100.0   | 100.0 | 1001  | 100.0       | 0100.0                     | 100. | 0100. | 0100 | .010  |      | 00.00  | 0.001 | 100.0 |
|            |    | 98.0    | 100.001 | 0.001 | 100.0   | 100.0 | 100.0 | 10          | 0.0010                     | 100. | 0100. | 0100 | .010  | 10.0 | 0000   | 0.001 | 100.0 |
| × 400      |    | 98.0    | 100.01  | 100.0 | 100.0   | -     | 100.0 | 10          | 0.0010                     | 100. | 0100  | 0100 |       |      | 00.00  | 0000  | 100.0 |
|            |    | 98.0    | 100.001 | 0.001 | 100.0   | 100.  | 100.0 | -           | 0.0010                     | 1001 |       | -    | 9.    | 0    | 00.00  | 0.001 | 100.0 |
| 1 200      |    | 98.0    | 100.001 | 00.00 | 100.0   | 100.0 | 100.0 | 100.        | 0100.0                     | 100. | 2     | 0100 | 2     | •    | 00.00  | 0.001 | 100.0 |
| 901        |    | 98.0100 | 100.001 | 0.001 | 100.0   | 100   | -     | 100.        | 0100.0                     | 100  | -     | 0100 |       | .01  | 00.00  | 0.001 | 100.0 |
| ٥          |    | 98.0    | 100.01  | 100.0 | 100.0   | 100.0 | 100.0 | 100         | 0100.0                     | 100. | 0100. | 0100 | 00100 | 0    | 00.00  | 00001 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

|  | TAGE FREQUENCY ROM HOURLY OBS | RCENTAGE FREQUENCY OF OCCURRENCE | COBSERVATIONS) |
|--|-------------------------------|----------------------------------|----------------|
|--|-------------------------------|----------------------------------|----------------|

| CERING     |    |         |      |         |      |      | VISI | BILITY (S | VISIBILITY (STATUTE MILES) | ES)     |         |       |       |        |       |      |
|------------|----|---------|------|---------|------|------|------|-----------|----------------------------|---------|---------|-------|-------|--------|-------|------|
| (FEET)     | 71 | o<br>Al | 80   | 1       | AI   | 2 2% | 2 4  | 71 72     | ¥1                         | -<br>AI | ∦<br>Al | *     | N N   | ≥ 5/16 | AI    | ٨١   |
| NO CEILING |    |         | 28.2 |         | 28.2 | 80   | 28.2 |           | ~                          |         | 28.     | 28.   |       | 28.    |       | 28.2 |
| ≥ 20000    |    | 54.4    | -    | 54.4    | 54.4 | 54.4 | 54.4 |           | 54.                        | 54.4    | 54.     | 54.   |       | 54.    | -     | 54.4 |
| ≥ 18000    |    |         | 55.0 | 55.0    |      | 55.0 | 8    | 55.0      | 55.                        | 55.0    | 50      | 55.0  | 55.0  | 5      | 55.0  | 55.6 |
| ₹ 16000    |    | 55.7    | 3    | 55.7    |      | 3    |      | 55.7      | 55.                        | 55.7    | 55.     | 55.   | 3     | 55.    | 3     | 55.  |
| ≥ 14000    |    | 57.7    | -    | 1.      | 57.7 |      | -    | 1.        | 57.                        | -       | 57.     | 57.   | -     | 57.    | -     | 57.  |
|            |    | 68.5    | 8    | 68.5    |      | 8    |      | 68.5      | 68.                        | 68.5    | 68.     | 68.   | 8     | 68.    | 8     | 68.  |
| ≥ 10000    |    | 77.9    | :    | 77.9    |      | 77.9 | 77.9 | -         | 77.                        | -       | 77.     | 11.   | -     | 77.    |       | -    |
|            |    | 79.9    | 6    | •       | 79.9 | 6    |      | 6         | 79.                        | 6       | 79.     | 79.   | 6     | 19.    | •     | 19.9 |
| 0008 A     |    | -       | 81.  |         | 81.2 | -    |      | -         | œ                          |         | 81.     | 81.   |       | 81.    | -     | :    |
|            |    | 82.6    | 82.  | 2.      | 82.6 | 2.   | 2.   | 2.        | 82.                        | 2.      | 82.     | 82.   | 2.    | 82.    | 2     | 82.6 |
|            |    | 82.6    | 82.  | 2       | 3    | 2.   | 5    | 2         | 82.                        | 2       | 82.     | 82.   | 2.    | 82.    | 2     | 3    |
| 2000       |    | 83.2    | 83.  | 3       |      | 3    |      |           | 83.                        |         | 83.     | 83.   | 3.    | 83.    | 3     | 83.  |
|            |    | 83.2    | 83.  | 83.2    | 3    | 3.   |      | 3         | 83.                        |         | 83.     | 83.   | 3.    | 83.    |       | 83.  |
| 4000       |    | 85.2    | 85.  | 5       |      | 3    |      | 3         | 85.                        |         | 85.     | 85.   | 3.    | 85.    | 5     | 85.  |
|            |    | 85.2    | 85.  | 3.      | 3    | 5    | 5    | 3         | 85.                        | 3       | 85.     | 85.   | 5     | 85.    | 5     |      |
| 3000       |    | 85.9    | 86.  |         |      |      |      |           | 86.                        | •       | 86.     | 86.   |       | 86.    | •     | 86.6 |
|            |    | 85.9    | 86.  | .0      |      | 9    | .0   | 9         | 86.                        | •       | 86.     | 86.   | .0    | 86.    |       |      |
| ≥ 2000     |    | 86.6    | 87.  |         | -    | 7    | 1.   | 7.        | 87.                        | -       | 87.     | 87.   | -     | 87.    | -     |      |
| ≥ 1800     |    | 86.6    | 87.  | 7.      | 7.   | 7.   | 7.   | 7.        | 87.                        |         | 87.     | 87.   | -     | 87.    | -     | 87.  |
|            |    | 89.3    | 6    | 6       |      | 6    | 6    | 6         | .68                        | 6       | .68     | 89.   | 6     | 89.    | 6     |      |
| 1200       |    | 0.96    | 94.  |         |      |      | *    |           | 95.                        | i       | 95.     | 95.   | :     | 95.    | 2     |      |
|            |    | 95.3    | 96   |         |      | 9    |      |           | 97.                        | -       | 97.     | 97.   | 1.    | 97.    | -     |      |
| 8          |    | 95.3    | .9   |         | -    | 7.   |      |           | 98.                        |         | . 86    | 98.   | 8     | 98.    |       | 98.  |
|            |    | 95.3    | 9    | . 9     |      |      | 8    |           | .66                        | 6       | .66     | 66    | 6     | 66     |       | 66   |
|            |    | 95.3    |      |         | 8    | 8.   | 8    |           | .66                        | 6       | .66     | 66    | 6     | .66    | 6     | 66   |
| 9<br>Al    |    | 96.0    | ;    |         | •    | 8    | 6    |           | 100                        | 0       | 100     | 100   |       | 100    |       | 1001 |
| 86         |    | 96.0    |      |         |      | 98.7 |      |           | 100.                       | 0       | 100     | 100   |       | 100.   | 0     | 100. |
| N 400      |    | 96.0    | 96.6 | 97.3    | 98.7 | 8.   | 6    | 6         | 10                         | 0       | 100.    | 100.  | 100.0 | 0      | 0     | 100. |
| 300        |    | 96.0    | 96   | 97.3    | 48.7 | 98.7 | 66.3 | 99.3      | 10000                      | 0       | 100.    | 100   | 100.0 | •      |       |      |
| 1 200      |    | 96.0    | 0    | 97.3    | 98.7 |      | .6   | 99.3      | 100.0                      | 100.0   | 100.0   | 100.0 | 100.0 |        | 100.0 | 100  |
| 91         |    | 96.0    |      | 97.3    | 98.7 |      |      | 99.3      | 10000                      | 10001   | 100.0   | 100.0 | 100.0 | 10000  | 10000 | 1001 |
| ٥          |    | 96.0    | 96   | 97.3    | 98.7 | 98.7 | 6    | 99.3      | 100.0                      | -       | 100.0   | 100.0 | 100.0 | 0      | 100.0 | 100. |
|            |    |         |      | Salar I |      |      |      |           |                            |         |         |       |       |        |       |      |

TOTAL NUMBER OF OBSERVATIONS

日本日日

TOTAL NUMBER OF OBSERVATIONS

149

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING VERSUS VISIBILITY

| CEILING    |     |       |          |       |      |       | VIS    | IBILITY (ST | VISIBILITY (STATUTE MILES) | (ES)  |        |       |       |        |       |      |     |
|------------|-----|-------|----------|-------|------|-------|--------|-------------|----------------------------|-------|--------|-------|-------|--------|-------|------|-----|
| (FEET)     | 5 1 | AI    | 8        | **    | 6 41 | 2 2%  | Z AI   | ¥1 ¥1       | VI<br>21                   | - AI  | AI     | # AI  | Z AI  | ≥ 5/16 | AI 9  | AI . | 0   |
| NO CEILING |     | 34.9  |          | 34.9  |      |       | 34.    | 34.9        | 34.                        | 34.   | 34.    | 34.9  | 34.   | ~      |       | 6    | 6.4 |
| > 20000    |     | 53.7  |          | 53.7  | 53.7 | 53.7  | 53.7   | 53.7        | 53.7                       | 53.   |        | 53.   | 53.7  | 53.    | 7 53  | 7 5  | 3.7 |
| ≥ 18000    |     | 53.7  |          | 53.7  | 53.7 | 53.7  |        | 53.7        | 53.7                       | 53.7  | 53.    | 53.7  | 53.   | 53.    | 7 53  | 7    | 3.7 |
| N 16000    |     | 53.7  |          | 53.7  | 53.7 | 53.7  | 53.7   |             | 53.7                       |       | 2      | 53.7  | 53.   | 53.    | 7 53, | 7 5  | 7.6 |
| 14000      |     | 57.1  | 57.      |       | 57.1 | 57.1  | 7.     | 57.1        | 57.1                       | 57.1  | 57.    | 57.   | 57.   | 1 57.  | 1 57, | 1 5  | 7:1 |
| ≥ 12000    |     | 67.8  | 68.      | 68.5  | 68.5 | 68.5  | 68.5   | •           | 68.5                       | •     | 68     | 68.   | 68.   | •      |       | 5 6  | 8.5 |
|            |     | 78.5  | 79.      | 19.9  |      |       | 79.    | 79.9        | 79.9                       | 79.9  | 79.    | 79.   | 79.   | -      | -     | 10   | 6.6 |
| 0006       |     | 81.9  | 83.      | 83.2  | 83.2 | •     | 83.    | •           | 83.2                       | 83.2  | 83.    | 83.   | 83.   | 00     | •     | 00   | 3.5 |
|            |     | 86.6  | 700      | 87.9  | 87.9 | 87.9  |        | 87.9        | 87.9                       | 87.9  | 87.    | 9     | 87.   | 9 87.  | 9 87  | 6    | 4.0 |
| 7000       |     | 87.9  | 89.      | 89.3  |      | 6     | 89.    |             | 89.                        | 89.   | 89.    | 89.   | 89.   | 00     | 80    | 10   | 9.3 |
|            |     | 89.3  | 90.      |       |      | 90.06 | .06    |             | .06                        | 90.   | 9006   | 9006  | 90.   | 06 9   | 90    | 0    | 9.0 |
| 2000       |     | 89.3  |          | 0     | 9006 | 0     | .06    |             |                            | •     | 90.    | 90.   | .06   | 0      | 0     | 0    | 9.0 |
|            |     | 89.3  | 90.      | 90.06 | 0    | 90.06 | 9006   |             | .06                        | .06   | 90.    | 90.   | 90.   | 6 90.  | 0     | 0    | 9.0 |
| 007        |     | 90.06 |          |       | 92.0 | 2.    | 92.    | 92.0        | 0                          | 92.   | 92.    | 0     | 92.   | 0      | 0     |      | 5.0 |
|            |     | 90.06 | 92.      | 92.0  |      | 92.0  | 92.    |             | 92.                        | 0     | 92.    | 92.   | 92.   | 0      | 6     | 0    | 2.0 |
| 3000       |     | 92.0  |          |       |      | 3     |        |             | 0                          | 93.   | 93.    | 93.   | 93.   |        | 0     | 3 6  | 3.3 |
| 1          |     | 95.6  |          |       | 94.6 | •     | . 76   | 94.6        | 94.                        | 94.   | 0      |       | . 40  | . 94.  | 0     |      | 4.6 |
| 7 2000     |     | 93.3  |          |       | 95.3 | 3     |        |             |                            | 95.   | 95.    | 95.   | 95.   |        |       | 3 9  | 5.3 |
|            |     | 93.3  | - Branch | 3     |      |       | 95.    |             | 95.                        | 95.   | 0      | 95.3  | 95.   | 3 95.  | 0     | .3 9 | 5.3 |
| 1500       |     | 93.3  |          |       | 95.3 | 3     |        | 95.3        |                            | 3     |        |       | 95.   |        | 3 95  | 3 9  | 5.3 |
|            |     | 96.0  |          | •     |      |       | 98.    | 98.0        | 0                          | 98.   | 0      | 0     | •     |        |       | 0    | 8.0 |
| 90         |     | 90.06 | 99.      |       |      |       |        | 99.3        | .66                        | .66   | .66    | .66   | 1 99. |        |       | 3 9  | 6.9 |
|            |     | 9096  |          | 99.3  | 66.3 | 99.3  | 8.66   |             | 0                          | 99.3  | 1 99.3 |       |       | . 66   | 3 99  |      | 6.6 |
| 8          |     | 96.6  |          |       |      |       | 99.3   | 99.3        |                            | 99.3  |        | 99.3  | 0     | .66    |       | 9    | 6.0 |
|            |     | 96.6  |          |       |      | 99.3  | 66.66  |             | 0                          | 99.3  | 99.3   | 99.3  |       |        |       | 3 0  | w   |
| 8          |     | 90.96 |          | 86.66 | 99.3 |       | 1 99.3 | 99.3        | •                          | 99.3  |        |       | 0     | 3 99.  | 0     | 3 9  | 6.6 |
|            |     | 96.6  |          |       |      | 99.3  | 6      | 99.3        | 0                          | 99.3  |        | 99.3  | •     | 3 99.  | 66 €  | 3    | 6.0 |
| 8          |     | 96.6  |          | 99.3  | 99.3 | 99.   | 100.0  |             | 100.0                      | 100.0 | 100.0  |       | 100.0 | 0010   | 0100  | 010  | 0.0 |
|            |     | 96.6  |          | 8.66  | 66.3 | 99.   | 100.0  | 100.0       | 100.0                      | 10    | 100.0  | 10000 | 1000  | 2100.  | 0100  | 010  | 0.0 |
| 38         |     | 96.6  |          | 86.3  | 99.3 | 99.   | 10000  | 100.0       | 100.                       | 10000 | 1000.0 | 10001 | 1000  | 0100   | 0100  | 010  | 0.0 |
|            |     | 96.6  |          | 66.3  | 8.66 | 99.   | 100.0  | 100.0       | -                          | 10000 | 1100.0 | 10000 | 100.  | 0100   | 0100  | 10   | 0.0 |
| ٥          |     | 96.6  | Vie      | 66.3  | 66.3 | 99.3  | 100.0  | 1           | 100                        | 100   | 10     | 10001 | 100   | -      | 0100  | 010  | 0.0 |

HOURS (15 T.

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |     |      |       |           |      |      | VIS  | VISIBILITY (STATUTE MILES) | ATUTE MILE | S     |       |         |         |        |        |       |
|------------|-----|------|-------|-----------|------|------|------|----------------------------|------------|-------|-------|---------|---------|--------|--------|-------|
| (FEET)     | 5 7 | ٨١   | S     | <b>AI</b> | 8    | ≥ 2% | N Al | ٧١ ٧                       | 71 71      | -     | Al Al | ≉<br>∧I | Z<br>Al | ≥ 5/16 | M<br>M | 0 1   |
| NO CEILING |     |      |       | 43.6      | 43.6 | 43.0 | 43.6 | 43.6                       | 43.6       | 43.6  | 43.6  | 43.6    | 43.6    | 43.6   | 43.6   | 43.6  |
| 20000      |     |      | . 1   | 4         |      |      | 57.7 | 57.7                       | 57.7       |       | 4     |         | 4       | 57.7   | 57.7   | 57.7  |
| ≥ 18000    |     |      |       |           | 57.7 | 57.7 | 57.7 | 57.7                       | 57.7       | 57.7  | 57.7  | 57.7    | 57.7    | 57.7   | 57.7   | 57.7  |
| N 16000    |     | 57.7 |       | 57.7      | 57.7 | 57.7 | 57.7 | 57.7                       | 57.7       | 57.7  | 57.7  | 57.7    | 57.7    | 57.7   | 57.7   | 57.7  |
| 7 14000    |     | 0    | 4.00  | 4.09      | 4.09 | 4.00 |      | 4.09                       | 4.09       | 4.09  | 4.09  | 4.09    | 4.09    | 4.09   | 4.09   | 4.09  |
|            |     | 69.8 | 8.69  | 8.69      | 69.8 | 69.8 | 69.8 |                            | 8.69       | 69.8  | 69.8  |         | 6       | 69.8   | 69.8   | 8.69  |
|            |     | -    | 81.9  | 81.9      | 81.9 | 81.9 |      | 81.9                       |            | 81.9  | 1.    | •       | -       | 81.9   | 81.9   | 81.9  |
| 000 ×      |     | 85.9 | 85.9  | 85.9      | 85.9 | 85.9 | 85.9 | 85.9                       | 85.9       | 85.9  | 85.9  | 85.9    | 85.9    | 85.9   | 85.9   | 85.9  |
| 1          |     |      |       | 6.68      | 9.   | 6    | .6   | 89.                        |            | 69.6  | 6     | 9.      | 6       | 89.9   | 89.9   | 89.9  |
| 7000       |     |      | 61.3  | -         |      | -    | 91.3 | 91.                        | :          | -     | -     | -       | -       | -      |        | 91.3  |
|            |     | 91.3 | 91.3  |           |      | 91.3 |      | 0                          | 91.3       | 91.3  | 61.3  | 91.3    | 91.3    | 91.3   |        | 61.3  |
| 2000       |     | 91.3 |       | 91.3      | 91.3 | -    | 91.3 | 91.                        | -          | 91.3  | -     | -       | :       | :      | 91.3   | 91.3  |
|            |     | 91.3 | 61.3  | -         | -    | 91.3 | :    | 91.                        | 1.         | -     | -     | -       | :       | -      |        | 91.3  |
| 0007 ×     |     | 92.0 |       | 92.0      | 92.0 | 3    | 92.0 | 92.                        | 3          | 92.0  | 92.0  | 92.0    | 2.      | 2.     | 92.0   | 92.0  |
|            |     | 95.6 |       |           |      |      | 2.   | 92.                        |            | 2.    |       | 2.      | 95.6    | 95.6   | 95.6   | 95.6  |
| 3000       |     | 94.0 | •     | *         | 94.6 |      |      |                            | 94.6       |       | ;     | ;       |         |        |        | 94.6  |
| > 2500     |     | 94.6 |       | 94.6      |      | 9.46 |      | 94.6                       |            | 94.6  | 94.6  | 94.6    | 94.6    | 94.6   | 94.6   | 94.0  |
| > 2000     |     | 94.6 | 94.6  | :         | 94.6 | *    | 94.0 |                            |            | 94.6  |       | ;       |         | ;      |        | 94.6  |
| 1800       |     | 94.6 |       |           |      | 94.6 | ;    |                            | 94.6       |       |       |         |         | 94.6   | 94.6   | 94.0  |
|            |     | 95.3 |       |           |      |      |      |                            |            | 96.0  |       |         |         | .0     |        | 96.0  |
| 7 1200     |     | 98.7 | 99.3  | 99.3      | 66.3 | 86.3 |      | 99.3                       |            | 66.3  |       |         | 6       | 99.3   |        | 66.66 |
|            |     | 98.7 | 99.3  | 6         | 99.3 | 6    | 66.3 |                            |            | 86.66 |       | 0       | 86.3    | 99.3   |        | 99.3  |
| 8          |     | 98.7 | 66.3  |           | 66.3 | 99.3 |      | 6                          | 99.3       | 66.3  |       |         |         | 6      | 99.3   |       |
|            |     | 98.7 | 8.66  | 66.3      |      | 86.3 | 66.3 |                            | 100.001    | 00.00 | 00.00 | 100.00  | 100.00  | 100.0  | 100.0  | 0000  |
|            |     | 98.7 | 66.3  | E . 66    | 66.3 | 86.3 |      | 100.00                     | 100.001    | 00.00 | 00.00 | ò       | 1000    | 10000  | 10000  | 0000  |
| 99         |     | 98.7 | 8.66  | 86.8      |      | 66.3 | 99.3 | 0                          | 0          |       | •     | 10000   | •       | 10000  | .0     | 100.0 |
|            |     | 98.7 | 89.3  |           |      | 66.3 |      | 100.0                      |            | 0     | 0.00  |         |         | 100.0  | 100.0  | 0000  |
| 1 400      |     | 98.7 | 66.3  |           | 99.3 | 99.3 | 99.3 |                            | 100.001    | 00.00 | 0000  | 100.00  | 100.00  | 100.0  | 100.0  | 00001 |
| 38         |     | 98.7 | 66.3  | 66.3      | 99.3 |      |      | 100.0                      | 100.001    | 00.00 | 0     | 0       |         | 100.0  | 100.0  | 00001 |
| 14         |     | 98.7 | 8.66  |           |      |      | 66.3 | 100.0                      | 100.001    | 00.00 | 00.00 |         | 100.0   | 100.0  | 100.0  | 00.00 |
| 8          |     | 98.7 | 86.66 | 66.3      | 66.3 | 99.3 | 66.3 |                            | 100.001    | 0     | 0     | 0       | 0.0     | 0      | 0.0    | 0     |
|            |     | 98.7 | 99.3  | 66.3      | 99.3 |      | 99.3 | 100.0                      | 100.00     | 00.00 | 00.0  | 00.00   | 0       | 100.0  | 100.0  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1234-18766

CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) AGANA, GUAM

| CEILING    |     |      |      |      |      |       | VISIA | IBILITY (ST. | VISIBILITY (STATUTE MILES) | ES)  |         |      |      |        |       |       |
|------------|-----|------|------|------|------|-------|-------|--------------|----------------------------|------|---------|------|------|--------|-------|-------|
| (FEET)     | 5 4 | AI   | S AI | 1    | ٨١   | ≥ 2%  | 7 41  | 71 %         | ¥1 VI                      | Ā    | ¾<br>Al | *    | N %  | ≥ 5/16 | AI    | ٨١    |
| NO CEILING |     |      |      |      |      |       | 7:    | -            |                            |      | 37.     | 7.   | -    | 37.    | 37.   | 37.9  |
| > 20000    |     | 58.6 |      |      |      | 58.6  | 8     | 8            | 8                          |      | 58.     |      |      | 58.    | 58.   | 58.6  |
|            |     |      |      | 58.9 | 58.9 | 8.    |       | 58.9         |                            | 8    | 58.     | 58.9 | 58.9 | 58.    | 58.   |       |
| N 16000    |     | 59.1 | 59.1 |      |      |       | 6     | 6            | 6                          |      | 59.     | 6    | 6    | 59.    | 59.   | 59.1  |
|            |     |      | 0    | :    | :    | -     | :     | -            | -                          | -    | 61.     |      | -    | 61.    | 61.   |       |
| > 12000    |     | 69.5 | 0    | 69.6 | 6    | 69.69 |       |              | 6                          |      | 69      |      |      | 69     | 69    | 69.6  |
|            |     | 6    | -    |      | 6    | 6     | 6     | 6            | 6                          | 6    | 79.     | 6    |      | 79.    | 79.   |       |
| 900        |     | 82.0 | 90   | 82.1 | 2.   | 2     | 2     | 2            | 2.                         | 2    | 82.     | 2.   | 2    | 82.    | 82.   | 82.2  |
| 1          |     |      | 80   |      | 3    | 5     | :     | 5            | 3.                         |      | 85.     | 3.   | 3.   | 85.    | 85.   |       |
| 700        |     | 86.2 | 86.  | 86.4 |      | 86.4  |       | 86.4         |                            |      | 86.     | 86.4 |      | 86.    | 86.   | 86.   |
|            |     |      | 86.  |      |      | .0    | .9    |              | 9                          |      | 86.     |      | .0   | 86.    | 86.   |       |
| 2000       |     |      | 86.  |      | ;    |       |       |              |                            |      | 86.     | •    |      | 87.    | 87.   | 87.0  |
| 1          |     | 86.7 | 86.8 | 86.8 | 86.8 | 86.8  | 86.8  |              | 86.8                       | 86.8 | 80      | 86.8 | 86.9 |        | 87.0  |       |
| 7000       |     | 88.0 | 88.  |      |      | 8     |       | 88.3         | 8                          | *    | 88.     |      |      | 88.    | 88.   |       |
|            |     |      | 00   | 88.3 |      |       |       |              | 8                          |      | 88.     |      | 8    | 88.    | 88.   | 88.   |
| 3000       |     | 89.2 | 90   |      |      | 6     |       | 89.5         |                            | 6    | 89.     | 6    | 6    | 89.    | 89.   |       |
| ≥ 2500     |     | 89.6 | 0    | 90.1 | 0    | •     | ò     | 90.1         | 0                          | 0    | 6       | 1.06 | 0    | 90.    |       | 90.3  |
|            |     | 89.9 | 0    | 4.06 | 4.06 | 0     | 90.4  | 4.06         | 0                          | ò    | 90.     | 0    | 0    | 90.    | .06   | 00    |
|            |     | 89.9 | 6    | 90.4 | 0    | 0     | 0     |              | 0                          | 0    | .06     | 0    |      | 0      | 90.   | 90.0  |
| > 1500     |     | 92.5 | 0    | 93.2 | 3.   |       | 93.3  |              | 3                          |      | 93.     | 3    | 3    | 3      |       | 93.   |
|            |     | 96.1 |      | 97.2 |      | 97.2  | 7.    |              | 97.3                       | -    | 6       | 97.3 | -    | 97.    | 97.   | 97.7  |
| ¥ 1000     |     | 97.4 | 98.6 |      | 8    | 8     | 0.66  | 6            |                            | 6    | 99.     | 6    | 6    | 66     | 66    | 99.   |
| 8          |     | 97.4 |      |      | 8    |       | . 6   | 366          | 6                          |      | 66      |      | 6    | 66     |       | 99.   |
|            |     | 97.4 |      |      | 6    | 6     | 6     |              | 6                          | 6    | 66      | 6    | 6    | 66     | 66    | 99.6  |
|            |     | 97.4 | 98.6 |      | 6    | 0.66  | 3.66  |              | 6                          | 6    | .66     |      |      | .66    |       | 99.8  |
| 900        |     | 97.5 |      | 98.9 |      |       | .6    | 99.5         | 6                          |      | 0       | 9.66 | 6    | 66     | 66    | 99.6  |
| 98         |     | 97.5 |      |      | .6   | 6     | .6    |              | 6                          | 6    | 0       | 6    | 6    | .66    | 66    | 66.6  |
| 40         |     | 97.5 | 98.7 |      | 99.1 | 6     | 4.66  | 99.66        | 6                          | 0    | .66     |      | 6    | 100.0  | 10000 | 100.0 |
| 300        |     | 97.5 |      | 98.9 | 1.66 | 99.1  | 4.66  | 99.66        | 6                          | 6    | 1.66    |      | 6    | 100.   | 10    | 100.0 |
|            |     | 97.5 | 98.7 | 98.9 | 1.66 |       | 4.66  | 9.66         | 49.7                       |      | 99.7    |      |      | 100.0  | 700.0 | 100   |
| 8          |     | 97.5 | 98.7 | 98.9 | 66.1 | 99.1  |       |              |                            | 1.66 | 2.66    | 4.66 |      | 10000  | 10000 | 100.0 |
|            |     | 97.5 | 98.7 | 98.9 | 1.66 | 99.1  | 4.66  | 99.6         | 7.66                       | 99.7 | 99.7    | 49.7 | 96.8 | 100.0  | 100.0 | 100.  |

TOTAL NUMBER OF OBSERVATIONS

1192

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|---|--|
| - |  |
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| 1     | ,                          |                        |
|-------|----------------------------|------------------------|
|       |                            |                        |
| YEARS | SE FREQUENCY OF OCCURRENCE | M HOURLY OBSERVATIONS) |
| 13=11 | ENCY O                     | OBSER                  |
|       | FREQU                      | HOURL                  |
| 1     | 35                         | 5                      |

CEILING VERSUS VISIBILITY

PERCENTAGE (FROM

ACANA, GUAM

| CEILING    |   |      |      |         |      |         | VISI    | BILITY (ST | VISIBILITY (STATUTE MILES) | ES)   |       |        |       |       |       |       |
|------------|---|------|------|---------|------|---------|---------|------------|----------------------------|-------|-------|--------|-------|-------|-------|-------|
| (FEET)     | 2 | AI   | 5 41 | 1       | e Ai | 2 2%    | ~<br>Al | VI<br>2    | YI XI                      | Ā     | AI    | *      | N N   | 5/16  | N N   | ٨١    |
| NO CEILING |   | 57.4 | 1    | 57.4    | 57.4 | 57.4    | 57.4    | 57.4       | 57.4                       | 57.4  | 57.4  | 57.4   | 97.4  | 57.4  | 57.4  | 57.4  |
| 00081 41   |   | 71.6 |      | 41.6    | 71.6 | 71.6    | 71.0    | 71.6       | 7.00                       | 71.6  | -     | 71.6   | 71.0  | 71.6  | 71.6  | 71.6  |
| 2000       |   | •    | 1    | 71.6    | 71.0 | 0 -     | 11.6    | 71.0       | 41.6                       | 71.6  | 71.0  | 11.0   | 11.00 | 00.   | 90    | 100   |
| 12000      |   | 71.0 | 71.0 | 9.5     | 71.0 | 0-1     | 71.6    | 2.4        | 11.6                       | 77.0  | 2.5   | 76.1   | 76.0  | 7.50  | 75.0  | 11.0  |
| N 10000    |   |      | 83.9 | 83.9    | 83.9 | 83.9    | 83.9    | 83.9       | 83.9                       | 83.9  | 83.9  | 83.9   |       | 83.9  | 83.9  | 83.9  |
| 0006       |   | 85.8 | 85.8 | 85.8    | 85.8 | 85.8    |         | 85.8       | 85.8                       | 85.8  |       | 85.8   | 85.8  | 85.8  | 85.8  | 85.8  |
| 1          |   | 87.1 | 87.1 | 87.1    | -    | 87.1    | 87.1    | 87.1       | 87.1                       | 87.1  | 87.1  | 87.1   | 87.1  | 87.1  | 87.1  | 87.1  |
| N 7000     |   | 87.1 | 87.1 | 87.1    | 87.1 | 87.1    | 87.1    | 87.1       | 87.1                       | 87.1  | 87.1  | 87.1   | 87.1  | 87.1  | 87.1  | 87.1  |
|            |   | 87.1 | 87.1 | 87.1    | 87.1 | 87.1    | 87.1    | 87.1       | 87.1                       | 87.1  | 87.1  | 87.1   | 87.1  | 87.1  | 87.1  | 87.1  |
| > \$000    |   | 87.1 | 87.1 | 87.1    | 87.1 | 87.1    | 87.1    | 87.1       | 87.1                       | 87.1  | 87.1  | 87.1   | 87.1  | 87.1  | 87.1  | 87.1  |
| × 4500     |   | 87.7 | 87.7 | 87.7    | 87.7 | 87.7    | 87.7    | 87.7       |                            | 87.7  | 87.7  | 87.7   | 87.7  |       | 87.7  | 87.7  |
| 4000       |   | 89.7 | 89.7 | 89.7    | 89.7 | 89.7    | 89.7    | 89.7       | 89.7                       | 89.7  | 89.7  | 89.7   |       | 89.7  | 89.7  | 89.7  |
|            |   |      | 89.7 | 89.7    | 89.7 | 89.7    | 89.7    | 89.7       | 89.7                       | 89.7  | 89.7  | 89.7   | 89.7  | 89.7  | 89.7  | 89.7  |
| 3000       |   | 91.6 | 91.6 | 91.6    | 91.6 | 91.6    | 91.6    | 91.6       | 91.6                       | 91.6  |       |        | 91.6  | 91.6  | 91.0  | 91.6  |
| > 2500     |   | 91.6 | 91.6 | 91.6    | 91.6 | 91.6    | 91.6    | 91.6       | 91.6                       | 91.6  | 91.6  | 91.6   | 91.6  | 91.6  | 91.6  | 91.6  |
| > 2000     |   |      | 91.6 | 91.6    | 91.6 | 91.6    | 91.6    | 91.6       | 91.6                       | 91.6  |       | 91.6   | 91.6  | 91.6  | 91.6  | 91.6  |
|            |   |      | 91.6 | 91.6    | 91.6 | 91.6    | 91.6    | 91.6       | 91.6                       | 91.6  | 91.6  |        | 91.0  | 91.6  | 91.6  | 91.6  |
| > 1500     |   | 92.9 | 93.6 | 93.6    | 93.6 | 93.6    | 93.6    | 93.6       |                            | 93.6  |       | 93.6   |       | 93.6  | 93.6  | 93.6  |
| 1200       |   | 96.8 | 98.1 | 98.1    | 98.1 | 98.1    | 98.1    | 98.1       | 98.1                       | 98.1  | 98.1  |        | 98.1  |       | 98.1  | 98.1  |
| > 1000     |   | 98.1 | 4.66 | 4.66    | 4.66 | 4.66    | 4.66    | 4.66       | 4.66                       | 4.66  | 4.66  | 4.66   | 4.66  | 4.66  | 4.66  | 4.66  |
| 08<br>AI   |   | 98.1 | 4.66 | 99.4    | 4.66 | 4.66    | 4.66    | 4.66       | 4.66                       | 4.66  | 4.66  | 4.66   | 4.66  | 4.66  | 4.66  | 4.66  |
|            |   | 98.1 | 90.4 | 4.66    | 4.66 | 4.66    | 96.4    | 4.66       | 99.4                       | 99.4  | 4.66  | 4.66   | 4.66  | 4.66  | 4.66  | 99.4  |
|            |   | 98.1 | 4.66 | \$ . 66 | 4.66 | 4.66    | 4.66    | 4.66       | 4.66                       | 4.66  | 4.66  | ** 66  | 4.66  | 99.4  | 4.66  | 4.66  |
| 09<br>A1   |   | 98.1 | 4.66 | 4.66    | 4.66 | 100.001 | 100.00  | 100.0      | 100.0                      | 100.0 | 100.0 | 1000   | 100.0 | 100.0 | 100.0 | 100.0 |
| 005 3      |   | 98.1 | 4.66 | 4.06    | 4    | 100.001 | 10000   | 100.0      | 100.0                      | 100.0 | 100.0 | 10000  |       | -     | 100.0 | 100.0 |
| × 400      |   | 98.1 | 4.66 | 4.66    | 4.66 | 100.00  | 100.0   | 100.0      | 100                        | -     | 100.0 | 100.0  | -     | 100.  | 100.0 | 100.0 |
| 300        |   | 98.1 | 4.66 | 4.66    | 4.66 | 100.001 | 100.001 | 100.0      | 100.0                      | 100.0 | 100.0 | 10000  | 20    | 100.0 | 100.0 | 100.0 |
| 1 20       |   | 98.1 | 9.66 | 4.66    | 4.66 | 100.0   | 100.0   | 100.0      | 100.0                      | 100.0 | 100.0 | 1000   | 100.0 | 100.0 | 100.0 | 100.0 |
| 8          |   | 1.86 | 4.66 | 4.66    | *    | 100.001 | 100.001 | 100.0      | 100.0                      | 100.0 | 100.0 | 1000.0 | 10000 | 100.0 | 100.0 | 1000  |
| 0 1        |   | 98.1 | 4.66 | 4.66    | 4.66 | 100 0   | 100.0   | 100.0      | 100.0                      | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0 |

0

0

0

0

TOTAL NUMBER OF OBSERVATIONS

155

4 11 1

HOURS (LST.)

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |   |      |       |         |      |         | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | (\$3    |         |       |       |        |       |      |
|------------|---|------|-------|---------|------|---------|---------|-------------|----------------------------|---------|---------|-------|-------|--------|-------|------|
| (FEET)     | 2 | o Al | \$ 41 | AI VI   | e vi | N 2%    | 2 41    | 71 %        | 71                         | ~<br>^I | ₹<br>Al | *     | V Z   | ≥ 5/16 | N N   | ٨١   |
| NO CEILING |   | 57.4 | 57.4  | -       | 57.4 | 57.     | 57.4    |             | 57.4                       | 7.      | 57.     |       | 57.4  | 57.    | 57.4  | 57.  |
| > 20000    |   | 71.6 |       | 71.6    | 71.6 | 711.    | 71.6    | 71.6        | 71.6                       | 71.6    | 71.6    | -     | 71.6  | 71.    | 71.6  | 71.  |
| N 18000    |   | 71.6 | 71.6  | 71.6    | 71.6 | 71.6    | 71.6    | 71.6        | 71.6                       | 71.6    | -       | 71.6  | 71.6  | 71.6   | 71.6  | 71.  |
| N 16000    |   | 71.6 | 71.6  | 71.6    | 71.6 | 71.     | 71.6    | 71.6        | 71.6                       | 71.6    | 71.     | -     | 71.6  | 71.    | 71.6  | 71.  |
| > 14000    |   | 71.6 | 71.6  | •       | 71.6 | 71.     | 71.6    |             |                            | -       | 71.     | •     |       | 71.    | 71.6  | 71.  |
| ≥ 12000    |   | 76.1 | 76.1  | 76.1    | 76.1 | 76.     | 76.1    | 76.1        | 76.1                       | 76.1    | 76.     |       | 76.1  | 76.    | 76.1  | 76.  |
| N 10000    |   | 83.9 | 83.9  | 83.9    | 83.9 | 83.     |         |             | 83.9                       | 83.9    | 80      |       | 83.9  | 83.    | 83.9  | 83.  |
|            |   | 85.8 | 85.8  | 85.8    | 85.8 | 85.     | 85.8    | 85.8        | 5                          | 85.8    | 85.     | 3     |       | 85.    |       | 85.  |
| > 8000     |   | 87.1 | 87.1  | 87.1    | 87.1 | 87.1    | 87.1    | 7.          | 87.1                       | 87.1    | 87.1    | 87.1  | 87.1  | 87.1   | 87.1  | 87.  |
|            |   | 87.1 | 87.1  | 87.1    | 87.1 | 87.1    |         | 87.1        | 87.1                       | 87.1    | 87.1    | T     | 87.1  | 87.1   | 87.1  | 87.  |
| 1          |   | 87.1 | 87.1  | 87.1    | 87.1 | 87.1    | 87.1    | 87.1        | 87.1                       | 87.1    | 87.1    | 87.1  | 87.1  | 87.1   | 87.1  | 87.  |
| > 2000     |   | 87.1 | 87.1  | 87.1    | 87.1 | 87.1    | 87.1    | 87.1        | 87.1                       | 87.1    | 87.1    | 87.1  | 87.1  | 87.1   | 87.1  | 87.  |
|            |   | 87.7 | 87.7  | 87.7    | 87.7 | 87.7    | 87.7    | 87.7        | 87.7                       | 87.7    | 87.7    | 87.7  | 87.7  | 87.7   | 87.7  | 87.  |
| × 4000     |   | 89.7 | 89.7  | 89.7    | 89.7 |         | 89.7    |             | 89.7                       | 89.7    | 89.7    | 89.7  | 89.7  | 89.7   | 89.7  | 89.  |
| 8          |   | 89.7 | 1.68  | 89.7    | 69.7 |         |         | 89.7        |                            | 89.7    | 89.     | 6     | 89.7  | 89.7   | 89.7  | 89.  |
| > 3000     |   | 91.6 | 777   | 91.6    | 91.6 | 91.6    | 91.6    | 91.6        | 91.6                       | 91.6    | 0       | :     |       |        | 91.0  | 91.  |
|            |   | 91.6 | 91.   | :       | 91.6 | 91.     |         | 91.6        | -                          | -       | 91.     | 91.6  | •     | 91.6   | 91.6  | 91.  |
| > 2000     |   | 91.6 |       | 91.6    | 91.6 |         | 91.6    | 91.6        | 91.6                       | 91.6    | 91.6    | -     | 91.6  |        | 91.6  | 91.  |
| 7 1800     |   | 91.6 | 91.6  | •       | 91.6 | 0       | 91.6    |             | •                          | 91.6    | 0       | 91.6  | 91.6  | 91.6   | 91.6  | 91.  |
|            |   | 92.9 | 93.   | 3.      | 93.6 | 93.     | 93.6    | 93.6        | 93.6                       |         | 93.     |       |       | 93.    | 93.6  | 93.  |
| 1200       |   | 96.8 | 0     | 98.1    | 98.1 | 98.1    | 98.1    | -           | 98.1                       | 98.1    | 98.1    |       | 98.1  | 98.1   | 98.1  | 98.  |
| VI 1000    |   | 98.1 | 0     |         | 4.66 |         | 4.66    | 6           | 4.66                       | 4.66    | 4.66    | 4.66  | 4.66  | 4.66   | 4.66  | .66  |
|            |   | 98.1 | 0     | 4.66    | 4.66 | 4.66    | 4.66    | 4.66        | 4.66                       | 4.66    | 4.66    | 4.66  | 4.66  |        | 4.66  | .66  |
| 008        |   | 98.1 | 4.66  |         | 4.66 | 6       | 4.66    | 4.66        | 4.66                       | 4.66    | 4.66    | 4.66  | 4.66  | 4.66   | 4.66  | 66   |
|            |   | 98.1 |       | \$ . 66 | 4.66 | 4.66    | 4.66    | 4.66        | 4.66                       |         | 4.66    | 4.66  | 4.66  | 4.66   | 4.66  | .66  |
| 009        |   | 98.1 |       | 4.66    | 4.66 | 100.01  | 100.00  | 100.00      | 100.0                      | 100.0   | 100.0   | 10000 | 100.0 | 100.0  | 100.0 | 100  |
| 005        |   | 98.1 | 4.66  | 4.66    | 4.66 | 100.0   | 10000   | 100.0       | 100.0                      | 100.0   | 10      | 100.0 | 100.0 | 100.0  | 100.0 | 100. |
|            |   | 98.1 | 4.66  | 4.66    | 99.4 | 100.001 | 100.00  | 100.0       | 100.0                      | 100.0   | 100.0   | 100.0 | 100.0 | 100.0  | 100.0 | 100. |
| 38         |   | 98.1 | ** 66 | 4.66    | 4.66 | 100.0   | 100001  | 100.00      | 100.0                      | 100.0   | 100.0   | 100.0 | 100.0 | 100.0  | 100.0 | 100. |
|            |   |      | 4.66  | 4.66    | 4.66 | 100.0   | 100.0   | 100.0       | 100.0                      | 100.0   | 100.0   | 10001 | 100.0 | 100.0  | 100.0 | 100. |
| 8          |   |      | 4.66  | 40.66   | 4.66 | 100.0   | 100.001 | 100.00      | 100.0                      | 100.0   | 100.0   | 100.0 | 100.0 | 100.0  | 10000 |      |
| 0          |   | 98.1 | 4.66  | 99.4    | 4.66 | 100.0   | 100.00  | 100.0       | 100.0                      | 100.0   | 100.0   | 10000 | 100.0 | 10000  | 100.0 | 100. |

TOTAL NUMBER OF OBSERVATIONS

55

NAVWEASERVCOM

ACANA, GUAM

00000

**CEILING VERSUS VISIBILITY** 

Ant

73-77

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.6 HOURS (L S T.)

| CERTING    |   |       |      |       |       |       |      | VISI  | VISIBILITY (STATUTE MILES) | STATUTE  | MILES) |      |       |     |      |         |      |           |       |      |     |
|------------|---|-------|------|-------|-------|-------|------|-------|----------------------------|----------|--------|------|-------|-----|------|---------|------|-----------|-------|------|-----|
| (FEET)     | 2 | NI NI | 8 41 | AI AI | N N   | AI    | 21/2 | 12.2  | VI<br>Z                    | VI<br>37 | ,      | -    | VI VI |     | *    | VI<br>Z | Al   | \$/16     | VI VI | AI . | 0   |
| NO CEILING |   | 52.9  | 52.  | 2     | 9 52. | .9 52 | 6.   | 52.9  | 52.                        | 9 52     | 0      |      | 52    |     | 2    | 52      |      | 2         | 2.    | 2    |     |
| N 20000    |   | 71.0  | 71.  | •     |       |       | 0    | 4     | -                          | 7        | 0      | 11.0 |       |     | -    | 7       |      | -         | 71.   | 11   |     |
| ≥ 18000    |   | 71.0  | 71.  | 71.   | 0 71. | .0    | 0.   | 71.0  |                            | 0 71.    | 0      |      | 71    |     | -    | 17      | .0   | -         | 71.   | 17 0 |     |
| ≥ 16000    |   | 71.0  | 71.  | 71.   | 71.   | 0 7   |      | -     | 71.                        | 711      | 0      | 71.0 | 7     |     | -    | 7       |      | -         | 71.   | 17   |     |
| > 14000    |   | 71.0  | 71.  | 71.   | 0 71. | 1     | 0.   | =     |                            | 2 71.    |        |      | _     |     | -    | 11      | 0    |           | -     | 17   |     |
| ≥ 12000    |   | 75.5  | 75.5 | 75.   | 5 75. | ~     |      | 75.5  | 75.                        | 5 75.    | 5.     | 75.5 | 75    |     | 15.5 |         |      | 15.5      | 3     | 5 75 |     |
| V 10000    |   | 84.5  | 84.  | 84.   | 5 84. | 8     | S    | 3     |                            | 5 84.    | S      |      |       |     | *    |         |      | *         | ;     | 5 84 |     |
| 0006 ×I    |   | 85.2  | 85.  | 85.   |       | 8     |      | 3     | 85.                        |          | .2 8   | 5    |       |     | 3    |         |      | 8         | 3     |      | .2  |
| 0008 4     |   | 87.1  | 87.1 | 87.   | 1 87. | 1 87  | 7.   |       | 7.                         | 1 87     |        |      | 87    | 8   | -    | 87      | .1.  |           | 87.   | 1 87 | :   |
| > 7000     |   | 87.7  | 87.7 | 87.   | 7 87  |       |      | 1     | 87.                        | 7 87.    | 7      | -    |       |     | 7:7  | 87      |      | 17.7      |       | 7 87 |     |
|            |   | 87.7  | 87.7 | 87.   | 7 87. | 8     |      |       | 87.                        | 7 87.    | .7     | -    |       | 7   | 7.7  | 87      | .7   | Telegram. | 87.   | 7 87 |     |
| 2000       |   | 87.7  |      | 87.   | 7 87. |       | r.   | :     | 87.                        | 7 87.    | 7      | 7.7  |       | 7   | 7.7  | 87      | 1    |           | 87.   | 7 87 |     |
|            |   | 87.7  | 87.7 | 87.   |       |       |      | 87.7  | -                          | 00       | 7      | -    |       |     | 7.7  | 87,     |      | -         | -     | 80   |     |
| 4000       |   | 8.06  |      | 90.   | 3 90. | 5     | e.   | ò     | 0                          |          | 3      | 0    | 90    |     | 0.3  | 90      |      | 0         | .06   |      |     |
|            |   | 90.3  | 90.  | .06   |       | 0     | m.   |       | 0                          |          | 6      | 0.3  | 90.   |     | 0.3  | 1       |      |           | 0     | 0    | .3  |
| 3000       |   | 92.3  | 0    | 92.   | 9 92. | 0     | 6.   | 3     | 2                          | 0        | 0      | 2    |       |     | 2    | _       |      | 2         |       | 0    |     |
|            |   | 92.3  | 92.  | 3     | 100   | 0     | 0.   | 2     | 2                          | 9 92.    | 6      | 2    | 92.   |     | 12.9 |         |      |           |       |      |     |
| 7 2000     |   | 92.9  | 0    | 93.6  | 6 93  | 0     | 0.   |       |                            | 6 93     | 9      |      |       |     | 3.6  | 93      |      |           |       | 0    |     |
| 1800       |   | 92.9  | 93.  |       | 0     |       | 9.   | 3     |                            | 0        | 6 9    |      | 6     |     |      |         | 9.   | 3         |       |      |     |
| > 1500     |   | 94.2  | 95.5 | 95.   | 5 95. |       |      | 95.5  | 8                          | 5 95     | 5      | 10   |       |     | 5.5  | 721     |      |           |       | 0    | .5  |
| > 1200     |   | 95.5  | 98.  | •     | 6     | 6     |      |       | 8                          | 1 98     | 7      | 8    | 98    | 1.  |      | 98      | 6    | 18.1      | 98.   | 1 98 | :   |
| V 1000     |   | 96.1  | 98.7 | . 86  | 7 99. | 0     | 4    | 4.66  |                            |          | 6      | 0    |       |     | 0    |         | . 4. |           | 66    | 66 4 |     |
| 06<br>AI   |   | 96.1  | 98.7 | .86   | 7 99. |       | 4    |       |                            | 66 1     | 6      | -    |       |     | 4.6  |         | 4    |           | 66    | 66 4 | :   |
|            |   | 96.1  | 98.7 | 98    | 7 99. |       | *    | 7.66  | 99.                        | 66 1     | 6 4    |      | 66    | 1   | 0    | 66      | 0 4. |           | 66    | 66 4 | :   |
| 700        |   | 1.96  | 98.7 | .86   | 7 99. | 66 4  | 4    |       | 99.                        | 66 4     | 6 4    | -    | 66    | 4   | 4.6  |         |      |           |       | 66 4 | :   |
| 0<br>AI    |   | 96.1  | 4.66 | .66   | 4100  | 0100  | 0.   | 0000  | 1001                       | 0100     | 010    |      | 100   | 010 | 0.00 | -       | 010  |           | 100   | 0100 |     |
| 800        |   | 96.1  | 4.66 | 66    | 4100  | 0100  | 10.0 | 0.00  | 100                        | 0010     | 010    | 0    | 100   | 010 | 0.00 | 100     | -    | 0.00      | 0     | 0100 |     |
|            |   | 96.1  | 4.66 | .66   | 4100  | 2     | 9.0  | 00.00 | 100                        | 0016     | -      | 0    | 100   | 010 | 0    | -       | .010 | 0         | 100   | 0100 |     |
| 300        |   | 1.96  | 9.66 | 66    | 1100  | 0100  | 5.0  | 0.00  | 100.                       | 0016     | 010    | 0.00 | 100   | 010 | 0.00 | -       | 0100 | 0.00      | 100   | 0100 |     |
|            |   | 1.96  | 4.66 | .66   | 4100  | 0100  | 9.0  | 0000  | 100.                       | 0016     | 010    | 0.00 | 100   | 010 | 0.0  | 100     | .010 | 0.00      | 100   | 0100 |     |
| VI<br>8    |   | 96.1  | 4.66 | 66    |       | 0100  | 10.0 |       | 100.                       | 0010     | 010    | 0.00 | 100   | 010 | 0.00 |         | 010  | 0.00      | 100   | 0100 |     |
|            |   | 96.1  | 4.66 | 66    | 4100. | 0100  | 10.0 | 00.00 | 1001                       | 2100.    | 010    | 0.00 | 100   | 010 | 0.00 | -       | 0.00 | 0.00      | 100   | 0100 | 000 |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

TOTAL NUMBER OF OBSERVATIONS

07 HOURS (1.5.T.)

CEILING VERSUS VISIBILITY

| PERCENTAGE FREQUENCY OF OCCURRENCE | (FROM HOURLY OBSERVATIONS) |
|------------------------------------|----------------------------|
| RCENTAC                            | FRO                        |
| PE                                 |                            |

| CEILING    | 1 |      |      |            |      |       | VISI | VISIBILITY (STATUTE MILES) | ATUTE MIL | ES)     |         |       |       |        |       |       |
|------------|---|------|------|------------|------|-------|------|----------------------------|-----------|---------|---------|-------|-------|--------|-------|-------|
| (FEET)     | 2 | o Al | S AI | 4          | S AI | ≥ 2%  | ~ AI | ۲۱<br>۱۳                   | ¥1 VI     | -<br>AI | ≱<br>∧I | *     | Z.    | ≥ 5/16 | AI AI | ٨١    |
| NO CEILING |   |      |      | 44.5       | 44.5 | *     | 44.5 | 44.5                       | 44.5      | *       | 44.5    | 44.5  | 44.   | *      | 44.5  | 44.5  |
| > 20000    |   | 64.5 | 64.5 | 64.5       | 64.5 | 64.5  | 64.5 | 64.5                       | 64.5      | 64.5    | 64.5    | 64.5  | 64.   | 64.    | 64.5  | 64.5  |
| ≥ 18000    |   | 64.5 |      | 64.5       | 6.40 | 64.3  |      | 64.5                       | 64.5      | 64.5    | 64.     |       |       |        | 64.   | 64.5  |
| ≥ 16000    |   | 64.5 |      | 64.5       | 64.5 |       |      | 64.5                       | 64.5      |         | •       | 64.   | 64.   | 64.    |       | 64.5  |
| > 14000    |   | -    |      | 65.2       | 65.2 | 5     |      | 65.2                       | 65.2      | 5.      | 65.     | 65.   | 65.   | 65.    | 65.   | 65.2  |
| ≥ 12000    |   | 71.6 | -    | 71.6       | 71.6 | 71.6  | 71.6 | 71.0                       | 71.6      | 71.6    | 71.     | 71.   | 71.   | 71.    | 71.6  | 71.6  |
|            |   |      |      | 83.9       | 83.9 | 3     | :    | 3                          |           |         | 83.     | 83.   | 83.   | 83.    | 83.   | 83.9  |
| 000<br>AI  |   | 85.8 |      | 85.8       |      | 85.8  | 85.8 | 85.8                       | 85.8      | 85.8    | 85.     | 85.   | 85.   | 85.    | 85.   | 85.8  |
|            |   |      |      | 87.1       | -    | -     | -    | 7                          | 1         | :       | 87.     |       |       | 87.    | 87.   | 87.1  |
| 7000       |   | 89.0 | 89.0 | 89.0       | 0.68 | 69.0  |      | 89.0                       | 89.0      | 89.0    | 00      | 89.0  | 89.0  | 89.    | 00    | 89.0  |
| 1          |   | 89.0 | 89.0 | 89.0       |      |       | 6    | 7555LL                     |           | 89.     | 89.     | 89.   | .68   | 89.    | 89.   | 89.0  |
| 0005       |   | 89.0 | 89.0 | 89.0       |      | 89.0  |      | 89.0                       | 1000000   | 89.     | 89.     | 00    | 8     | 89.    | 90    | 89.0  |
| 1          |   | 89.0 | 89.0 | 89.0       | 89.0 |       | 6    |                            | 6         |         |         | 89.   | 89.   |        | 89.   | 89.0  |
| 4000       |   | 89.7 | 89.7 | 89.7       | 6    | 89.7  | 89.7 | 89.7                       |           |         | 89.     | 89.   | 89.   | 89.    | 89.   | 89.7  |
|            |   | 90.3 | €.06 | 0          | 90.3 | 0     | 0    | 0                          | 100       | 0       | 90.     | .06   | 90.   | 90.    | 0     | 90.3  |
| > 3000     |   | 91.6 | -0.1 | 91.6       | -    | -     | 91.6 | 91.6                       | 91.6      |         | 0       | 91.   | •     | 91.    | 0     | 91.6  |
| > 2500     |   | 91.6 |      | 91.6       | 91.6 |       |      | 91.6                       |           | 91.6    | 0       | 91.6  | .16   | 91.    | 91.   | 91.6  |
| 1          |   | 92.3 | 27   | ~          | 92.3 | 2     | 92.3 | 2                          | 92.3      | 3       | 92.     | 92.   | 92.   |        | 92.   | 92.3  |
| × 1800     |   | 92.3 |      | 92.3       |      | 92.3  |      | 92.3                       | 2         | 92.3    | 92.     | 2.    | 0     | 0      | 92.3  | 92.3  |
| 1          |   | 93.6 |      | 93.6       | 93.6 |       |      | 93.6                       | 93.6      |         | 93.     | 3.    | 93.   | 0      | 0     | 93.6  |
|            |   | 96.1 | -    | 96.8       | 96.8 | 96.8  | 8.96 |                            |           | 96.8    | 0       | 96.8  | 0     | 8.96   | 96.   | 96.8  |
| V 1000     |   | 98.1 | -    | 98.7       | 98.7 |       |      | 98.7                       | 98.7      | 4.66    | 4.66    | 4.66  | 99.4  | 4.66   | 99.4  | 99.4  |
| %<br>AI    |   | 98.1 |      | the street | 98.7 | 98.7  | 7.86 | 98.7                       | 7.86      | 4.66    | 0       |       | 99.4  |        | 4.66  | 99.4  |
|            |   | 98.7 |      | 4.66       | 4.66 |       | 4.66 | 4.66                       | 4.66      | 100.0   | 100.0   | 100.0 | 100.0 | 1100.0 | 100.0 | 100.0 |
|            |   | 98.7 |      | 4.66       | 4.66 | 4.66  | 9.66 | 4.66                       | 4.66      | 100.0   | 100.0   |       | 10    | 100    | 100.0 | 100.0 |
| %<br>^I    |   | 98.7 | - 1  | 4.66       | 4.66 |       | 4.66 | 4.66                       | 4.66      |         | 100.    | 100.0 | 100   | -      | 100.0 | 100.0 |
| 98         |   | 98.7 | 0    | 100        | 4.66 |       | 4.66 | 4.66                       | 4.66      | 100.0   | 100.0   | 00    | 100   | -      | 100.0 |       |
| 1          |   | 98.7 |      | \$ . 66    | 4.66 |       | 4.66 | 4.66                       | 4.66      | 100.0   | 100.0   | 100   | 100.  | 100.   | 100.0 | 100.0 |
| 96<br>VI   |   | 98.1 | 98.7 |            | 4.66 | 4.66  | 4.66 | and the                    |           | 100.0   | -       | 10001 | 100   | -      | 100.0 |       |
| - 1        |   | 98.7 |      | - 1        | 4.66 | -     | 4.66 | 4.66                       | 4.66      | 100.0   | 100.0   | •     | 2     | -      | 100.0 | 1000  |
| 8          |   | 98.7 |      |            | 4.65 | 4.66  | 4.66 | 4.66                       | 4.66      | 100.0   | 100.0   | 10000 | 1000  | 10000  | 10000 | 100.0 |
|            |   | 98.7 |      | 4.66       | 4.66 | \$ 66 | 4.66 | 4.66                       | 4.66      | 100.0   | 100.0   | 100.0 | 1001  | 1000.0 | 100.0 | 100.0 |

NAVWEASERVCOM

0

1234-18766

ET

CEILING VERSUS VISIBILITY JAN 68 

10 HOURS (LST.)

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DC.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GUAM

|  |   | - mmm N O m m o o o N m m m m           |   | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2   | N 8 9 9 6 6 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8   | V  | VI 80 00 00 00 00 00 00 00 00 00 00 00 00 | VI 0000 C | N  | ***************************************  | VI 60 00 00 00 00 00 00 00 00 00 00 00 00 | VI 50 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |  | N 8 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2  |
|--|---|---|---|---|---|--|---|--|--|--|---|---|--|--|
|  | - mmm v om o o o o o o o o              |   |   | ~ mmm ~ 0 m o o o o o o o   | 8 6 2 2 2 8 6 6   | 8 N N N M M M                            | 6   | *******************************  | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8    | 8 6 0 0 0 0 0 0 0                        |   | m N N N M                                 | 8 B B B                                  |  |
| 9999 N O 9 M B B B B B B B B B B B B B B B B B B | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  |   | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  |   |   |  |   |  | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8    |  |   |   | 41-6-1-12226                             |  |
| 00000000000000000000000000000000000000           | ******************                      |   | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~  | ## NO # 6 6 6 N 6 6   |   |  |   |  | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0    |  |   |   |  |  |
| 90000000000000000000000000000000000000           | m ~ 0 m o o o o o o o o o               |   |   | # NO # 0 0 0 N 0 0  |   |  |   |  | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0    |  | -m  |   | 3377777                                  |  |
| 00000000000000000000000000000000000000           | 200000000000000000000000000000000000000 | 200000000000000000000000000000000000000 | WOW 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | WOW & & & & & & & & & & & & & & & & & &   | ***********   | m 2 2 2 6 6 6                            | m ~ ~ ~ ~ ~ m                             | m ~ ~ ~ ~ m  | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8    | 8 3 3 5 5 5 5 6 6 6                      | m m m m m m m m m m m m m m               | m ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~         | 99222119                                 |  |
| - x & & & & & & & & & & & & & & & & & &          | 0 0 0 0 0 0 0 0 0 0 0                   | 0 0 0 0 0 0 0 0 0 0                     | 0000000000                              | 0 0 0 0 0 0 0 0   |   |  |   | יח מא מאהה   | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2    |  |   |   |  |  |
| **************************************           | 40000000000000000000000000000000000000  | & & & & & & & & & & & & & & & & & &     |   |   | 22 2 2 2 2 2 2  | ~ ~ ~ ~ ~ ~ ~                            |   | ~~~~   | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0    |  |   |   | ~~~~                                     |  |
| W  | 00000000                                | 00000000000000000000000000000000000000  | 0000000                                 | 0000000   | - 22266   | - ~ ~ ~ ~ ~ ~                            | - 24 24 25                                | - 000000   | 8  | - 22266                                  | - ~ ~ ~ ~ ~ ~ ~                           | - 2000                                    | -2226                                    |  |
| *****************                                | 0000000                                 | 000000<br>00000                         | 000000                                  | 000000  | ~~~~  | 200000                                   | พลเลต                                     | 200000   | 8  | 220000                                   | 2000                                      | NNNA                                      | 2226                                     |  |
|  | 990000                                  | 000000                                  | 20000                                   | 00000   | 20000   | 22000                                    | Namme                                     | 20000  | 8  | 20000                                    | ~~~                                       | Nami                                      | 224 6                                    |  |
| 0 0 N N N N 0 0                                  | 92666                                   | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | 9 20 0 0                                | 0 200   | 200   | ~ ~ ~                                    | Nm mr                                     | Nm m   | 88.82                                    | 2000                                     | 200                                       | Ne  | 200                                      |  |
| 0 N N N N 80                                     | 2000                                    | 2000                                    | 2000                                    | 200   | -   | -  | 8 8 8                                     | m m .  | 8 8 9                                    | -  | m m m                                     |   | m m                                      |  |
| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0            | 999                                     | 000                                     | 000                                     | 00  |   |  |   |  | 833.                                     | -  | m m                                       |   | 3  |  |
| 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2            | 3.9                                     | 9.0                                     | 0.0                                     | 3.0   |   |  |   | •  | 83.                                      | 3  |   | -   |  |  |
| € 00 00 00 00 00 00 00 00 00 00 00 00 00         | 3.9                                     | 3.9                                     | 0                                       |   | ۱   | •  | •   |  |  |  |   | -   | 3  |  |
| W 00 0   |   |   |   | 3.4   | 3.  |  | =   |  | 83.                                      | 3  | 3   | 3   | 3  | 83.                                      |
| 00 0   | 5.8                                     | 8.8                                     |   | 5.8   |   | 5  | 5   | 5  | 85.                                      | 3  | 3   | 5   | 3  |  |
| 0  | 6.9                                     | 6.5                                     | 6.9                                     | . 9   |   |  |   | 9  | 86.                                      |  |   | 6   | •  |  |
| 0  | 6.9                                     | 6.9                                     | 6.9                                     |   | •   |  | •   |  | 86.                                      |  | ;   | .0  | ;  | 86.                                      |
| 80   | 6.9                                     | 6.9                                     | 6.9                                     |   |   |  | :   | •  | 86.                                      | 9  |   |   | ;  | 86.                                      |
| 8  | 4.4                                     | 4.6                                     | 7.6                                     |   | 0   |  | 6   |  |  | 6  | 6   | 6   |  | 89.                                      |
| 6  | 4.8                                     | 8.4                                     | 4.8                                     | *   | *   |  | *   | ;  | 94.                                      | ;  | *   |   | *  | . 96                                     |
| 0  | 6.8                                     | 6.8                                     | 6.9                                     | -   | -   | -  | -   |  | 97.                                      | -  | -   |   | -  | 97.                                      |
| 1 9  | 7.4                                     | 7.4                                     | 7.4                                     |   |   |  | 30  |  | 0  |  |   | 98.1                                      |  | 98.                                      |
| 0  | 8.1                                     | 8.1                                     | 8.1                                     |   |   |  |   |  |  |  |   | 98.7                                      |  |  |
| 9  | 8.7                                     | 8.7                                     | 8.7                                     |   | 6   |  |   |  |  | 6  |   | 4.66                                      |  | .66                                      |
| 9  | 8.7                                     | 8.7                                     | 8.7                                     |   |   | 6  |   |  |  | 6  |   | 4.66                                      | 4.66                                     | .66                                      |
| 6 4  | 8.7                                     | 8.7                                     | 8.7                                     |   | 4.66  | 6  |   | 4.66   |  | 6  | 100.0                                     | 0   | 00.00                                    | 00                                       |
| 6  | 4.4                                     |   | -                                       |   | 4.66  | 6  |   | 4.66   | 4.66                                     |  | 100.0                                     | ò   |  | 00                                       |
| 9  | 8.7                                     | 8.7                                     | 8.7                                     |   | 4.66  | 0  | 4.66                                      | 90.4   |  | 4.66                                     | 0   | 0   | 0  | 00                                       |
| 4  |   | 18.7                                    | 78.7                                    |   | 4.66  |  | 4.66                                      | 99.4   |  | 4.66                                     | 0   | 0   | 0  | 00                                       |
| 4.   | 8.7                                     | 18.7                                    | 1.                                      | 4.6   | 4.66  |  |   | 99.4   |  |  |   | 100.001                                   | 10.00                                    | 00                                       |
| 4.   | 8.1                                     | 8.7                                     | 1.                                      |   | 4.66  | 3.66                                     |   | 4.66   |  | 4.66                                     |   | 100.001                                   | 00.00                                    | 00                                       |
|  | 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8   |   | 00000000000000000000000000000000000000  | 886 986 98 886 98 886 98 886 98 886 98 886 98 886 98 886 98 88 98 98 98 98 98 98 98 98 98 98 98 | 886 986 98 886 98 886 98 886 98 886 98 886 98 886 98 886 98 88 98 98 98 98 98 98 98 98 98 98 98 | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86. | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.  | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.   | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86. | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86. | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.  | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86.  | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86. | 8 86.5 86.5 86.5 86.5 86.5 86.5 86.5 86. |

TOTAL NUMBER OF OBSERVATIONS

155

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

|                   | 전        | 4.8 34.8 34.8 34.8 34. | 8.7 58.7 58.7 58.7 58.7 | 8.7 58.7 58.7 58.7 58.7 5 | 9.4 59.4 59.4 59.4 59.4 | 1.9 61.9 61.9 61.9 61.9 6 | 1.6 71.6 71.6 71.6 71. | .8 76.8 76.8 76.8 76.8 7 | 8.1 78.1 78.1 78.1 78. | 0.7 80.7 80.7 80.7 80.7 | 1.3 81.3 81.3 81.3 81.3 8 | 1.3 81.3 81.3 81.3 81.3 8 | 2.6 82.6 82.6 82.6 82.6 8 | 3.2 83.2 83.2 83.2 83.2 8 | 5.2 85.2 85.2 85.2 85.2 8 | 5.2 85.2 85.2 85.2 85.2 | 6.5 86.5 86.5 86.5 86.5 8 | 7.1 87.1 87.1 87.1 87.1 8 | 7.7 87.7 87.7 87.7 87.7 8 | 4.88.4 88.4 88.4 88.4 | 1.6 91.6 91.6 91.6 91.6 9 | 8 96.8 96.8 96.8 96.8 | 8.7 98.7 99.4 99.4 99.4 9 | 8.7 98.7 99.4 99.4 9 | 9.4 99.4100.0100.0100.010 | .4 99.4100.0100.0100.0100.010 | 9.4 99.4100.0100.01 | 0.0014.66 4. | 9.4 99.4100.0100.0100.010 | .4 99.4100.0100.0100. | 9.4 99.4100.0100.0100.010 | 9.4 99.4100.0100.010 | 0.00 00.00 00.00 00 00 |
|-------------------|----------|------------------------|-------------------------|---------------------------|-------------------------|---------------------------|------------------------|--------------------------|------------------------|-------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------------------------|---------------------------|---------------------------|---------------------------|-----------------------|---------------------------|-----------------------|---------------------------|----------------------|---------------------------|-------------------------------|---------------------|--------------|---------------------------|-----------------------|---------------------------|----------------------|------------------------|
| WILES)            | 1 2 14   | 4.8 34.8               | 6.7 58.                 | 8.7 58.7                  | 9.4 59.                 | 1.9 61.9                  | 1                      | 6.8 76.8                 | 78.1                   | 80.7 80.7 8             | 1.3 81.3                  | .3 81.3                   | 2.6 82.6                  | 3.2 83.2                  | 5.2 85.2                  |                         | 6.5 86.5                  | 7.1 87.1                  | 7.7 87.7                  | 8.4 88.4              | 916 9.                    | 8 96 8                | .7 98.7                   | .7 98.7              | 4.66 4.                   | 4.66 4.                       | 4.66 4.             | 4.66 4.      | 4.66 4.                   | 4.66 4.               | 4.6                       | 9.4 99.4 9           |                        |
| TY (STAT          | ¥1 ¥     | 34.                    | 58.7                    | 58.7                      | 59.                     | 61.9                      | 71.6                   | 76.8                     | 78.1                   | 7 80.7                  | 81.3                      | 81.3                      | 82.6                      | 2 83.2                    | 85.2                      | 2 85.2                  | 5 86.5                    | 1 87.1                    | 1.                        | 4.88                  | 0                         | 96.8                  |                           |                      | 4 99.4                    | 4 99.4                        | 4 99.4              | 4 99.4       | 4 99.4                    | 4.66 4                | 4 66 4                    | 4 66 4               |                        |
| -                 | ≥ 2% ≥ 2 | 8.4                    | 58.7 58.                | 8.7.5                     | 59.4 59.                | 1.9 6                     |                        | .8                       | 8.17                   | 80.7 80.                | 1.3 8                     | 1.3 8                     | 2.6                       | 3.2 8                     | 5.2 8                     | 5.2 85                  | 6.5 8                     | 7.1 8                     | 7.7                       | 8.4.8                 | 1.6                       | .19                   | 8.1 9                     | .10                  | 8.79                      |                               | 8.7 99              | . 7 99       | 8.79                      | .7 99                 | 8.7                       | 98.7 99.             | -                      |
|                   | E 1      | 34.                    | \$8.                    | *                         | 59.                     | 61.                       | 6 71.6                 | 76.                      | 78.                    | 7 00                    | 81.                       | .18                       | 82.                       | 83.                       | 85.                       | •                       | 86.                       | 87.                       | 7 87.                     | 4 88.                 | 0 9                       |                       | 98.                       | 98.                  | . 86                      | 96                            | 98.                 | 96           | •                         | 86                    |                           | 7 98.7               |                        |
|                   | 25 24    | .8                     |                         | .7 5                      | 4                       | 9 6.                      |                        | 8                        |                        | .7 8                    |                           | . w                       | .68                       | .2 8                      | .2 8                      | ~                       | .5 8                      | .1.                       | .7 8                      | 8 4.                  |                           |                       | 6 1.                      |                      | . T.                      |                               | · 1 0               | . T.         |                           |                       | 0                         | 98.7 98.             | 1                      |
|                   | 9 11     | 8.4                    | 8.7                     | 1                         | 4.6                     | 0.                        |                        |                          | -                      | -                       | -                         | m                         | -                         | N                         | N                         | N                       | -                         | -                         | -                         |                       | -                         |                       |                           | *                    | 8.1                       | -                             | 98.1                | 7            | -                         | -                     | 98.1                      | -                    |                        |
|                   | 7 20     |                        |                         |                           |                         |                           |                        |                          |                        |                         |                           |                           |                           |                           |                           |                         |                           |                           |                           |                       |                           |                       |                           |                      |                           |                               |                     |              |                           |                       |                           |                      |                        |
| CEILING<br>(FEET) |          | NO CEILING             | > 20000                 |                           | N 16000                 | 7 14000                   | × 12000                |                          | 0006 X                 | 0008 A                  | > 7000                    | 0009 4                    | > 2000                    |                           | 1 4000                    |                         | > 3000                    | > 2500                    | > 2000                    | N 1800                |                           | > 1200                |                           | 08<br>AI             |                           |                               | 9                   |              | 40                        |                       | 1 200                     | 8                    |                        |

TOTAL NUMBER OF OBSERVATIONS

155

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CEILING VERSUS VISIBILITY

STATION NAME

AGANA, GUAM

CEILING VERSUS VISIBILITY JAN 68

TOTAL NUMBER OF OBSERVATIONS

| CELLING   CRELING   CREL | VI W W W W W W W W W W W W W W W W W W W | (FRCENTAGE 38.1.2.2.2.3.3.2.2.3.3.3.2.2.3.3.3.3.3.3.3 | TAN W 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |  |  | VISIBILITY (STATUTE MILES)  VISIBILITY (STATUTE MILES)  1 38 1 38 1 38 1 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | ATION AND AND AND AND AND AND AND AND AND AN | PREQUENCY OF OCCURRENCE HOURLY OBSERVATIONS)  VISIBILITY (STATUTE MILES)  2 21/2 2 2 2 11/4 2 | W W W W W W W W W W W W W W W W W W W | * N | VI W 9 9 9 9 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 | 1000 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |
|--|--|---|---|--|--|--|--|--|---------------------------------------|-----|--|---|--|
|--|--|---|---|--|--|--|--|--|---------------------------------------|-----|--|---|--|

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## CEILING VERSUS VISIBILITY

1 9 HOURS (L S T ) PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) AGANA, GUAM

| CEILING    |     |         |      |       |         |         | VISI   | VISIBILITY (STATUTE MILES) | ATUTE MILI | £S)     |       |       |       |        |         |       |
|------------|-----|---------|------|-------|---------|---------|--------|----------------------------|------------|---------|-------|-------|-------|--------|---------|-------|
| (FEET)     | 0 1 | 4<br>Al | 8 41 | AI AI | e Al    | ≥ 2%    | 7      | ¥1 ¥                       | VI<br>3.   | -<br>AI | ۸I    | *     | Z.    | ≥ 5/16 | VI<br>N | ٨١    |
| NO CEILING |     | 43.9    | 43.9 | 43.9  |         | 43.9    |        | 43.9                       |            | ë       | 43.9  | 43.9  | 43.9  | 43.9   | 43.9    | 43.9  |
| 2 2000     |     |         | •    | 64.5  | 64.5    |         | 1      | 64.5                       |            |         |       | 3     | 04.2  |        | •       | 04.5  |
| ≥ 18000    |     | 64.5    | 64.5 | 64.5  | 64.5    | 64.3    |        | 64.5                       | *          | ;       | ;     | ;     |       | 04.5   | 04.5    | 04.5  |
| ≥ 16000    |     | 64.5    |      | 64.5  | 64.5    | 04.5    | 64.5   | 64.5                       | 64.5       | 64.5    | 64.5  | 64.5  |       | 04.5   | 64.5    | 64.5  |
| > 14000    |     | 65.8    | 65.8 | 65.8  | 65.8    | 65.8    | 3      | 65.8                       | 65.8       | 65.8    | 65.8  | 65.8  | 65.8  | 65.8   | 65.8    | 65.8  |
| > 12000    |     |         |      | 73.6  | 73.6    | 73.6    | 73.6   | 73.6                       | 73.6       |         | 3.    | 73.6  | 3     | 73.6   | 73.6    | 73.6  |
|            |     |         |      | 84.5  | 84.5    |         | 84.5   | 84.5                       | 84.5       | 84.5    | 84.5  | 84.5  | 84.5  | 84.5   | *       | 84.5  |
| 0000       |     | 85.8    | 85.8 | 86.5  | 86.5    | 36.5    | 86.5   | 86.5                       | 86.5       |         | •     | 86.5  | 86.5  | 86.5   | 86.5    | 86.5  |
|            |     |         |      | 89.7  | 39.7    | 89.7    | 89.7   | 89.7                       | 89.7       | 89.7    | 89.7  | 89.7  | 89.7  | 89.7   | 89.7    | 89.7  |
| 7000       |     | 88.4    |      | 89.7  | 89.7    | 89.7    |        | 89.7                       | 89.7       | -       | 89.7  | 89.7  | 89.7  | 89.7   | 89.7    | 89.7  |
|            |     | 88.4    | 89.0 |       | 89.7    | 89.7    | 20.7   | 89.7                       | 89.7       | -       | 89.7  | 89.7  | 89.7  | 89.7   | 89.7    | 89.7  |
| 2 3000     |     | 88.4    |      |       | 89.7    | 89.7    | 89.7   |                            | 89.7       | 89.7    | 89.7  | 89.7  | 89.7  | 89.7   | 89.7    | 89.7  |
|            |     | 4.88    |      | 4.68  | 89.7    | 89.7    |        |                            |            | 89.7    | 89.7  | 89.7  | 89.7  | 89.7   | 89.7    | 89.7  |
| 0007       |     | 88.4    |      | 89.7  | 89.7    | 89.7    | 89.7   |                            | 89.7       | -       | 89.7  |       | 39.7  | 89.7   | 89.7    | 89.7  |
|            |     | 89.0    |      |       | 90.3    |         |        |                            | 90.3       | 8.06    | 6006  |       | 0     | 0      | 90.3    | 90.3  |
| 3000       |     |         |      | 94.8  | *       | 8.46    | 8.46   | 94.8                       | 94.8       | •       | ;     |       | 94.8  | 8.46   | 94.8    | 94.8  |
|            |     | 92.9    |      | 5.    | 95.5    |         |        |                            | 95.5       |         | 95.5  | 95.5  | 5     |        | 95.5    | 95.5  |
| > 2000     |     |         |      | 95.5  | 3       | 3       | 95.5   | 95.5                       |            | 95.5    | 3     |       | 3     | 5      | 3       | 95.5  |
|            |     | 92.9    |      |       | 95.5    | 95.5    |        | 95.5                       | 95.5       | 95.5    | 95.5  | 95.5  | 95.5  | 95.5   | 95.5    | 95.5  |
| > 1500     |     |         |      | •     | -       |         | 1      | 4.16                       | 97.4       |         | -     |       | -     | •      | -       | 97.4  |
|            |     | 95.5    |      | 98.1  | 98.1    |         | 8      |                            |            | 98.1    |       | 98.1  |       | 98.1   |         | 98.1  |
| > 1000     |     |         | 98.1 |       | 8       | 00      |        | 98.7                       |            | 98.7    |       |       |       |        |         | 98.7  |
| 0% 1       |     |         |      | . 8   | 98.7    | 8       | 98.7   | 98.7                       | 98.7       |         |       |       | 8     |        | 98.     | 68.1  |
|            |     |         | 98.1 | 99.4  | 100.00  | 0       | 0000   | 100.001                    | 100.0      | 100.0   | 0     | 0     |       | 0      | 100     |       |
| 700        |     |         |      | 4.0   | 00      | 0       | 10000  | 100.001                    | 100.0      | •       |       | 0.0   |       | 0      | 100     | 10000 |
| 009        |     |         |      | 4.    | 100.001 | 100.001 |        | 100.001                    | 100.0      | 10000   | •     | 0     | 0     | 100.0  | 100.0   | 0000  |
| 005 4      |     |         | 98.7 | 99.41 | 100.001 | 100.01  | 100.00 | 100.001                    | 0          | 100.0   |       |       | 0     | 0      | 100     | 100.0 |
|            |     |         | 98.7 | 99.4  | 100.001 | 100.001 | 0000   | 100.00                     | 100.0      | 100.0   | 100.0 | 100.0 |       | 100.0  | 100.0   | 100.0 |
| 2 300      |     | 96.8    | 98.7 | 99.41 | 100.00  |         | 100001 | 100.00                     | 100.0      | 10000   | •     |       | 0     |        | 0       |       |
|            |     |         | 98.7 |       | 10001   |         | 10000  | 100.001                    | 100.0      | 10000   | 0     | ò     | 0     | 100.0  |         |       |
| VI<br>8    |     |         | 98.7 | 4.66  | 0.0     | 0       | 00001  |                            |            |         | 0     | 0     | 0     | 0      | 0       | 1000  |
|            |     | •       | 98.7 | 99.4  | 100.00  | 100.001 | 00.00  | 100.0                      | 100.0      | 100.0   | 100.0 | 1000  | 100.0 | 100.0  | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY JAN 68

t w

| PERCENTAGE ERFOLIENCY OF OCCURRENCE | NTAGE EPEDIENC  |
|-------------------------------------|-----------------|
| PERCENTAGE FREQUENCY OF OCCURREN    | NTAGE EPEQUENCY |
|                                     | ファスクグリビーコクてディ   |
| (FROM HOURLY OBSERVATIONS)          | (FROM HOURLY OB |

CEILING VERSUS VISIBILITY

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| CNIE        |     |         |             |       |         |         | VISI    | BILITY (ST | VISIBILITY (STATUTE MILES) | LES)  |       |       |       |        |       |       |
|-------------|-----|---------|-------------|-------|---------|---------|---------|------------|----------------------------|-------|-------|-------|-------|--------|-------|-------|
| (FEET)      | 2 1 | o<br>Al | <b>S</b> Al | . 4   | E AI    | ≥ 2%    | N<br>Al | 71 71      | ¥1 Y                       | -     | * 11  | *     | N %   | ≥ 5/16 | × 11  | ٨١    |
| NO CEILING. |     | 49.0    | 6.64        | 0.64  | 0.63    | 0.64    | 49.0    | 49.0       | 49.0                       | 49.0  | 49.0  | 49.0  | 49.0  | 49.0   | 49.0  | 0.64  |
| 7 18000     |     | 000     | :           | . 4   | 64.5    |         |         |            | 94                         | 64.   |       | :     |       |        |       | 64.5  |
| 14000       |     | 64.5    |             | 64.5  | 64.5    | 64.5    | 64.5    | 64.5       | 64.5                       | 0     | *     | 64.5  |       | 64.5   | 64.5  | 64.5  |
| > 14000     |     | 65.2    | :           | 5     | 65.2    |         | 5       | 5          | 65.                        | 65.   | 65.2  | 65.2  | 65.2  | 65.2   | 65.2  | 65.2  |
| > 12000     |     | 70.3    | 71.0        | 71.0  | 71.0    | 71.0    | 71.0    | 71.0       | 71.0                       | 71.0  | -     | -     | 71.0  | -      | 71.0  | 71.0  |
|             |     | 78.7    | -           | 0     | 80.0    |         | 0       |            | 80.                        | 8     | 80.0  | 80.0  | 80.0  | 80.0   | 0     | 80.0  |
| 0006 AI     |     | 80.7    | -           | 81.9  |         | 81.9    | 81.9    | 81.9       | 80                         | 81.   | -     | -     | •     | -      | 81.9  |       |
|             |     | 81.9    | -           |       | 83.9    |         | 3.      | 83.9       | 83.                        | 8     | 83.9  | 83.9  |       |        | 83.9  | 83.9  |
| 7000        |     | 81.9    |             |       | 63.9    |         |         | 3.         | 83.                        | 83.   | 83.   | 3.    |       | 83.9   |       | 83.9  |
| 1           |     | 81.9    |             |       | 83.9    |         |         |            | 83.                        | 80    | 80    | 83.9  | 83.9  |        | 83.9  | 83.9  |
| 2000        |     | 81.9    |             | 83.9  | 6       | 19      |         | 83.9       | 83.                        | 83.   | 83.   | 83.9  | *     | -      |       | 83.9  |
| 1           |     | 81.9    | :           |       | 3       |         | -       |            | 83.                        | 8     | 3.    |       |       |        |       | 83.9  |
| 0004        |     | 82.6    | 83.2        | 84.5  | 84.5    | 84.5    | 84.5    | 84.5       | 84.                        | 84.   |       | 84.5  | 84.5  | 84.5   | 84.5  | 84.5  |
|             |     | 84.5    | :           |       |         |         |         |            | 86.                        | 00    |       | 86.5  | 86.5  |        | 86.5  |       |
| 3000        |     | 86.5    | :           | 88.4  |         | 88.4    | 8       | 88.4       | 88.                        | 88.   | 8     |       |       |        |       | 88.4  |
|             |     | 86.5    | :           |       |         |         |         |            | 8                          |       |       | 88.4  | 88.4  | 88.4   | 68.4  |       |
| 2000        |     | 86.5    | 87.1        | 88.4  | 88.4    | 88.4    | 88.4    | 88.4       | œ                          |       |       |       |       |        |       | 88.4  |
|             |     | 86.5    | 87.1        |       | 8       |         |         |            | 88.                        | 00    |       | 88.4  |       | 88.4   | 88.4  | 88.4  |
| 1500        |     | 86.5    | 87.1        | 89.0  |         | 89.0    |         | 89.0       | 89.                        | 00    |       |       |       |        |       |       |
|             |     | 91.6    | 93.6        | 95.5  | 95.5    | 95.5    | •       | 5          | •                          | 0     | 95.5  | 95.5  |       | 95.5   | 95.5  |       |
| V 1000      |     | 94.2    | 1.96        | 98.7  |         |         | 4.66    |            | .66                        | 0     |       |       | 6     |        |       |       |
|             |     | 94.2    | 1.96        | 98.7  | 4.66    | 4.66    |         | 4.66       | 4.66                       | 4.66  |       |       |       |        |       |       |
| 008         |     | 94.2    | 1.96        | 98.7  | 4.66    |         | 4.66    | 99.4       | 0                          | 0     |       | 4.66  | 6     |        |       | 99.4  |
|             |     | 94.2    | 1.96        | 98.7  | 4.66    | 6       | •       | 4.66       | 99.4                       | 0     |       |       | 4.66  |        | 4.66  | 4.66  |
| 00          |     |         | 1.96        | 98.7  |         |         | 4.66    | 99.4       |                            |       |       | 4.66  |       | 4.66   | 6     | 99.4  |
|             |     | 2.46    | 96.1        | 90.41 | 0       | 100.001 | 0.0     | .00        | 10                         | 100.  | 100.0 | 0     | 0     | 0.0    | 00    | 100.0 |
| N 400       |     | 94.2    | 96.1        | *     | 0.0     | 100.001 | 0.0     | 0          | 100.                       | 100.  | 0     |       | 0     |        | 100.0 | 100.0 |
|             |     | 34.2    | 1.96        | 99.4  | 100.001 | 100.00  | 100.001 | 100.0      | -                          | -     | 0.0   | 00    |       |        | 10000 | 100.0 |
| > 200       |     | 94.2    | 96.1        | 99.4  | 100.00  |         | 0.0     |            | 100.0                      | 10    | 100.0 | 100.0 | 0     | 100.0  | 100.0 | 100.0 |
| 91          |     | 94.2    | 96.1        | 4.66  | 100.001 | 10000   | 100.0   | 100.0      | 100.0                      | 100.0 | 100.0 | 100.0 | 100.0 |        | 100.0 | 100.0 |
| 0 1         |     |         | 96.1        | 4.66  | 100.001 | 10001   | 10000   | 100.0      | 100.0                      | 100.0 | 100.0 | 100.0 | 100.0 | 10000  | 100.0 | 100.0 |

HOURS (LST

TOUR MONTH

TOTAL NUMBER OF OBSERVATIONS

1240

**CEILING VERSUS VISIBILITY** 

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |   |         |       |      |      |       | VISI  | BILITY (STA | VISIBILITY (STATUTE MILES) | (\$     |      |      |         |        |         |       |
|------------|---|---------|-------|------|------|-------|-------|-------------|----------------------------|---------|------|------|---------|--------|---------|-------|
| (FEET)     | 5 | ٥<br>٨١ | \$ 1  | 4    | E AI | 2 2%  | 1 2   | ¥1 ¥        | ¥1 Y                       | _<br>AI | Al   | *    | %<br>Al | ≥ 5/16 | M<br>Al | 0 11  |
| NO CEILING |   | 6.44    | 6.44  |      | 6.44 | 6.44  |       | 5.44        | 6.44                       |         | 44.9 |      | 64.9    | 44.9   |         | 44.9  |
|            |   | 4       | 020   |      | 4    | 4.    | 3     |             | 4                          | 2       | 4    | 7.   | 2       | 2      | 2       | 050   |
| 18000      |   |         | 000   | 0000 | •    | 000   |       | 000         |                            | 000     |      | 0    | •.      | 0      | •       | 000   |
|            |   | 65.2    | 050   | 5    | •    | 3     | 5     | 0           | 65.2                       | 2       | 3    | 3.   | 0       | 2      | 2       |       |
|            |   | 60.5    | 99    | •    | ;    | .0    | ;     |             |                            | 66.5    |      | ;    |         | •      | 66.5    |       |
| 2 12000    |   | 72.5    | 72.   | 72.6 | 72.6 | 2.    |       | 72.6        |                            | 2.      | 2.   | 2.   | 3       |        | 2.      | 72.6  |
|            |   | 81.2    | 81.   | :    | -    | -     | :     | :           |                            | -       | :    | :    | -       |        | :       | 81.5  |
| 000        |   | 82.6    | 82.   | 2    | 82.9 | 2     |       | 2           |                            | 82.9    |      | 2    | i       | 82.9   | 82.9    | 82.9  |
|            |   | 84.2    | 84.   | :    | ;    | ,     | 3     |             | *                          | 3       | *    | :    |         |        |         | 84.7  |
| 7000       |   | 84.7    | 84.   | 3    |      | 5     |       |             |                            |         |      |      | 3       |        | 5       | 85.2  |
|            |   | 84.7    | 84.   | 85.2 | 85.2 | 85.2  | 85.2  | 85.2        | 85.2                       | 85.2    | 5    | 85.2 |         | 85.2   | 85.2    | 85.2  |
| 2000       |   | 84.9    | 85.   |      | 3    | 5     |       |             |                            | 3       | 3    | 3    | 3       |        |         |       |
|            |   | 85.2    | 17.35 | 5.   | 3    | 3     |       | 3.          | 3                          | 5       |      | 3    |         | 85.7   | S       |       |
| 000        |   | 86.3    | 86.   |      |      | .9    |       |             |                            | 86.8    | ;    | •    |         |        | ;       | 86.8  |
|            |   | 86.9    | 87.   | -    | -    | -     | 7.    | -           | 1.                         | -       | -    | -    | 7       |        | -       | 87.5  |
| 300        |   | 88.9    | 89.   | 0    | 89.5 | 6     |       | 89.6        | 89.6                       | 89.6    |      | 6    |         |        | 89.6    | 89.6  |
|            |   | 89.1    | 89.   |      | •    | 89.8  |       | 6           | 6.68                       | 6       |      | . 6  |         |        | 89.9    | 89.9  |
| > 2000     |   | 89.4    |       | .0   | 0    |       | •     | 0           | 90.2                       | 0       | 0    | ò    | 0       |        | 0       | 90.2  |
|            |   | 89.6    | .06   | 90.3 | 600  | .0    |       | 0           |                            | .0      |      | 0    |         |        |         | 4.06  |
| > 1500     |   | 91.4    | 000   | 2.   | 2.   | 2.    |       |             | 92.5                       | 2.      | 2.   | 2    | 3       |        | 2.      | 92.5  |
| 2 1200     |   | 94.7    | 96    |      | 96.5 | 96.5  | 7.96  |             |                            | 7.96    |      | .0   |         | 7.96   | 7.96    | 4.96  |
| 2 1000 ×   |   | 96.2    |       |      | . 8  | 8     |       |             | 98.6                       | 00      |      |      | 8       |        | 8       | 98.8  |
|            |   | 96.3    | 97.   | 8    |      | . 8   |       |             |                            |         |      |      |         |        |         | 98.9  |
| 008<br>^I  |   | 96.7    | 98.   | 98.7 | 0.66 | 6     |       |             | 6                          |         |      | 6    | 6       |        | 99.5    | 99.5  |
|            |   | 96.8    | 98.   | 8    |      | 6     | 9.66  | 6           |                            | .6      |      | 6    |         |        | 6       | 96.66 |
| 99         |   | 96.8    | 98.   | 68.6 | 6    | 86.66 | 99.5  | 9.66        |                            | 7.66    |      |      |         | 8.66   |         | 8.66  |
| 200        |   | 96.8    |       |      | 99.2 | •     |       | 4.66        | 4.66                       |         |      | 8.66 | 6.66    | 6.66   | 6.66    | 6.66  |
|            |   |         | 98.   |      |      | 6     | 90.66 |             |                            | 8.66    | •    | 6    | 6       | •      |         | 6.66  |
|            |   |         | 98.   | 0.66 |      | 4.66  | 6     |             |                            | 8.66    |      |      | 0       | 10000  | 100.001 | 00.00 |
| 200        |   |         | 98.   | 6    | 2.66 | 6     | 49.7  |             |                            | 6       |      | 9.8  | 00      | 100.0  | 100.001 | 00.00 |
| 8          |   | 96.8    | 98.   | 0.66 | 8.56 | 4.66  | 4.66  | 90.6        | 8.66                       | 8.66    | 8.66 |      | 100.001 | 10000  | 100.001 | 0.00  |
|            |   | •       | 98.   | 6    | 6    | 6     |       |             | 6                          | 0       | 6    | 9.6  | 100.0   | 100.0  | 100.00  | 0000  |

NAVWEASERVCOM

AGANA, GUAM

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### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (LST.) VON

| 2          |   |      |       |         |         |       | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | (S)     |      |       |            |       |        |      |       |
|------------|---|------|-------|---------|---------|-------|---------|-------------|----------------------------|---------|------|-------|------------|-------|--------|------|-------|
| (FEET)     | 5 | 9    | \$ 41 | 4       | E AI    | ≥ 2%  | 7 1     | ¥1          | VI<br>N                    | -<br>A1 | AI X | * AI  | VI VI      | AI    | S/16 Y | *    | 0 11  |
| NO CEILING |   | 53.3 | 53.   | 53.3    | 53.3    | 53.3  | 53.3    |             | 53.3                       |         |      | 53.   | ~          | ~     |        |      | 53.3  |
| ≥ 20000    |   | 70.0 |       | 70.0    | 70.0    | 70.0  |         | 70.0        |                            | 70.0    |      | 0 70. | 0 70       | 0 70  | 0      | 0.0  | 70.0  |
| N 18000    |   | 70.0 | 20.   |         | .0      |       |         | 70.0        |                            | 70.0    | 70.  | 70.   | -          | 0 70  | 0      | 0.0  | 70.0  |
| 00091 ≥    |   | 70.0 |       | 70.0    | 70.0    | 70.0  | 70.0    |             | 0                          |         |      | 70.   | -          | -     | 0      |      | 70.0  |
| 7 14000    |   | 70.7 | 5     | 70.7    |         | 70.7  |         | 70.7        | 70.7                       | 70.7    | 70.  | 70.   | 1          | 7 70  | •      | 2.0  | 70.7  |
| ≥ 12000    |   | 76.0 |       | 75.0    | 76.0    |       | 76.0    | 76.0        |                            | 76.0    |      |       | 0 76       | -     | 0      |      | 76.0  |
| N 10000    |   | 80.7 | 80.   | 80.7    | 0       | 0     | •       | 80.7        | 80.7                       | 80.7    | 80.  | 80.   | <b>6</b> C | 7 80  | •      | 1.0  | 80.7  |
| 0006 ~     |   | 81.3 |       | 81.3    |         | 81.3  | -       |             | -                          | •       |      | 81.   | 0          | œ     | .3     |      | 81.3  |
|            |   | 83.3 |       | 83.3    | 83.3    | 83.3  | 83.3    | 83.3        | 3                          |         |      | 3 83. | 3 83       | 3 83  | .3     | 3.3  | 83.3  |
| 7000       |   | 83.3 |       | 83.3    | 83.3    | 3     |         | •           | 83.3                       | 83.3    | 83.  | 83.   | •          | 8     | .3     | 3.3  | 83.3  |
|            |   | 84.0 |       | 84.0    | 84.0    | 84.0  | 84.0    | 84.0        |                            | 84.0    | 84.  | 0 84. |            | 0     | 8 0.4  | 0.4  | 84.0  |
| 2000       |   | 84.0 |       | 84.0    | 84.0    | 84.0  | ;       | 84.0        |                            | 84.0    | 84.  | 0 84. | _          | 1000  | 0      | 0.4  | 84.0  |
|            |   | 84.7 |       | 84.7    | 84.7    | 84.7  | 84.7    | 84.7        | 84.7                       | 84.7    | 84.  | 7 84. | 7 84.      | .7 84 | 4.7 8  | 4.7  | 84.7  |
| 4000       |   | 84.7 |       | 84.7    | 84.7    | 84.7  | 84.7    | 84.7        | 84.7                       | 84.7    | 84.  | 7 84. |            |       |        | 4.7  | 84.7  |
| 1          |   | 85.3 |       | 85.3    | 85.3    |       | 85.3    | 85.3        | 85.3                       | 85.3    | 85.  | 3 85. | 3 85       |       | 5.3 8  | 5.3  | 85.3  |
| 3000       |   | 86.0 |       | 86.7    | 86.7    | 86.7  |         | 86.7        | 86.7                       | 86.7    | 86.  | 7 86. | 7 86       |       | .7     | 6.7  | 86.7  |
| 1          |   | 86.0 |       | 86.7    | 86.7    | 86.7  | 86.7    | 86.7        | 86.7                       | 86.7    | 86.  | 7 86. | 7 86       |       | 6.7 8  | 6.7  | 86.7  |
| N 2000     |   | 86.0 |       | 86.7    | 86.7    | 86.7  |         | 86.7        | 86.7                       | 86.7    | 86.  | 7 86. | 7 86       |       | 6.7 8  | 4.1  | 86.7  |
|            |   | 86.0 |       | 86.7    | 86.7    | 86.7  | 86.7    | 86.7        | 86.7                       | 86.7    | 86.  | 7 86. |            | .7 86 | .7 8   | 2.9  | 86.7  |
| > 1500     |   | 89.3 |       | 90.7    | 40.7    | 90.7  | 90.7    | 40.4        | 90.7                       | 7.06    | 90.  |       |            |       | 0.7 9  | 2.0  | 90.7  |
|            |   | 0.46 |       | 0.96    | 0.96    | 96.0  | 0.96    | 0.96        | 96.0                       | 96.0    | 96   | 96 0  |            | 0     | 6 0 9  | 0.0  | 0.96  |
| 2 1000     |   | 96.0 |       | 100.00  | 100.001 | 0.001 | 100.001 | 100.0       | 100.0                      | 100.0   | 100. | 0100  |            | 0100  | 0.010  | 0.01 | 0000  |
| %<br>AI    |   | 96.0 |       | 100.001 | 100.001 | 0.00  | 100.001 | 100.00      | 100.001                    | 100.0   | 100  | -     |            | 2     | 0.010  | 0.01 | 0000  |
| > 800      |   | 96.0 |       | 100.001 | 100.001 | 0.001 | 100.001 | 100.0       | 100.0                      | 100.0   | 100  | 0010  |            |       | 0.010  | 0.01 | 00.00 |
|            |   | 96.0 |       | 100.001 | 100.001 | 0.00  | 100.001 | 100.0       | 100.00                     | 100.0   | 100  | 0100  | 0100       | 0100  | 010.0  | 0.01 | 0000  |
| 8<br>Al    |   | 96.0 |       | 100.001 | 100.001 | 0.001 | 100.001 | 0.001       | 100.001                    | 100.0   | 100. | 0100  | 0010       | 0100  | 0.010  | 0.01 | 00.00 |
|            |   | 96.0 | 0     | 100.001 | 100.001 | 0.001 | 100.001 | 100.00      | 100.0                      | 100.0   | 100  | 0100  |            | -     | 01000  | 10.0 | 0000  |
| > 400      |   | 96.0 |       | 100.001 | 100.001 | 0000  | 100.001 | 100.0       | 100.0                      | 100.0   | 100  | 0100  |            | 010   | 0.000  | 0.01 | 000   |
| 30         |   | 96.0 | 6     | 100.001 | 100.001 | 0.001 | 100.001 | 0.001       | 100.00                     | 100.0   | 100  | 0100  | 0010       | 0100  | 010.0  | 10.0 | 00.00 |
| > 200      |   | 96.0 |       | 100.001 | 100.001 | 0000  | 100.0   | 100.00      | 100.00                     | 100.0   | 100  | 0010  | 0010       | 010   | 0.000  | 0.01 | 00.00 |
| 901        |   | 0.96 | 98.0  | 100.001 | 100.001 | 0.001 | 100.0   | 100.0       | 100.00                     | 100.0   | 100  | 0100  | 0100       | 010   | 010.0  | 0.01 | 0000  |
| ٥          |   | 96.0 | 98.0  | 100.001 | 100.001 | 0.001 | 100.001 | 100.0       | 100.0                      | 100.0   | 100  | 0100  | 0010       | 010   | 0100   | 0.0  | 00.00 |

TOTAL NUMBER OF OBSERVATIONS

### 5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

| CEILING    |    |         |      |        |       |       | VIS   | IBILITY (S | VISIBILITY (STATUTE MILES) | (ES)  |       |        |        |       |       |      |      |
|------------|----|---------|------|--------|-------|-------|-------|------------|----------------------------|-------|-------|--------|--------|-------|-------|------|------|
| (FEET)     | 71 | Ø<br>Al | 81   | 4      | AI    | 2 2%  | 1 4   | ¥1 Y       | VI<br>2.                   | Ā     | VI %  | * AI   | VI Z   | 1 5/1 | ۸۱    | 3    | 0 11 |
| NO CEILING |    | 64.0    |      | 64.0   | 64.0  | *     |       | 64.0       | 64.0                       | 64.   | 64.   | . 99 0 | . 99 0 | 0     | 99 0  | 0.   |      |
| > 20000    |    | 75.3    |      | 75.3   | 75.3  | 75.3  | 75.3  | 75.3       | 75.3                       | 75.   | 3 75. | 3 75.  | 3 75.  | 3 75  | 3 75  | .3 7 | 5.3  |
| N 18000    |    | 75.3    |      | 75.3   | 75.3  | 75.3  | 75.3  | 75.3       | 75.                        | 7     | 3 75. | 3 75.  | 3 75.  | 3 75. | 3 75  | .3 7 | 5.3  |
| 2 16000    |    | 75.3    |      | 75.3   | 75.3  | 75.3  | 75.3  | 75.3       | 75.                        | 75.   | 3 75. | 3 75.  | 3 75.  | 3 75. | 3 75  | .3 7 | 5.3  |
| > 14000    |    | 75.3    |      | 75.3   | 75.3  | 75.3  | 75.3  | 75.3       | -                          | 75.   | 3 75. | 3 75.  | 3 75.  | 3 75  | 3 75  | .3 7 | 5.3  |
| > 12000    |    | 78.0    |      | 78.0   | 78.0  | 78.0  | 78.0  | 78.0       | 78.                        | 78.   | 0 78. | 0 78.  | 0 78.  | 0 78  | 0 78  | 0.   | 8.0  |
| N 10000    |    | 84.0    |      | 84.7   | ;     |       | 84.7  | 84.7       | 84.7                       | 84.   | 7 84. | 7 84.  | 7 84.  | 7 84. | 7 84  | .7 8 | 4:1  |
| 0006       |    | 86.7    |      | 87.3   | 87.3  | 87.3  | 87.3  | 87.3       |                            |       | 3 87. | 3 87.  | 3 87.  |       | .3 87 | .3 8 | 7.3  |
|            |    | 86.7    | 86.7 | 87.3   | 87.3  |       | 87.3  | 87.3       | 87.3                       | 00    | 3 87. | 3 87.  | 3 87.  |       | .3 87 | .3   | 7.3  |
| 7000       |    | 86.7    |      | 87.3   | -     | 87.3  | 87.3  | 87.3       | 87.3                       |       | 3 87. | 3 87.  | 3 87.  | 80    | 3 87  | .3 8 | 7.3  |
| 1          |    | 86.7    |      | 87.3   | 87.3  | 87.3  | 87.3  | 87.3       | 87.3                       | 87.   | 3 87. | 3 87.  | 3 87.  |       | .3 87 | .3 8 | 7.3  |
| 2000       |    | 86.7    |      | 87.3   | 87.3  | 87.3  | 87.3  | 87.3       | 87.3                       | 87.   | 3 87. | 3 87.  | 3 87.  | 8     | .3 87 | .3 8 | 7.3  |
|            |    | 87.3    |      | 88.0   | 88.0  |       | 88.0  | 88.0       |                            | •     | 8     | 88.0   | 0 88.  | 8     |       | 9 0  | 8.0  |
| 4000       |    | 87.3    |      | 88.0   | 8     | 88.0  | 88.0  | 88.0       | 88.0                       | 8     | 88.   | 0 88.  | 80     | 0 88  | 0 88  | 0.   | 8.0  |
|            |    | 87.3    |      | 88.0   | •     |       |       | 88.0       |                            | 88.   | 88.   | . 88 0 | 0 88.  |       | 88 0  | 0.   | 8.0  |
| 3000       |    | 88.0    |      | 88.7   |       | 88.7  | 88.7  | 88.7       |                            | 88.   | 7 88. | 7 88.  | 7 88.  | 00    | .7 88 | .7 8 | 8.7  |
|            |    | 90.0    |      | 91.3   | 91.3  | 61.3  | 91.3  | 91.3       | 1 91.3                     | 6     | 3 91. | 3 91 € | 3 91.  | 3 91. | 16 €  | .3 9 | 1.3  |
| 2000       |    | 90.0    |      | 91.3   | 91.3  | 91.3  |       | 91.3       | 9 91.3                     | 91.   |       | 3 91.  | 3 91.  |       | .3 91 | .3 9 | 1.3  |
|            |    | 90.0    |      | 91.3   | 91.3  | 0     | 91.3  | 91.3       | 91.3                       | 91.   | 3 91. | 3 91.  | 3 91.  | 3 91  | .3 91 | .3 9 | 1.3  |
| > 1500     |    | 90.0    |      | 91.3   | 91.3  | 91.   | 91.3  | 91.3       | 3 91.3                     | 91.   |       | 3 91.  | 3 91.  | 0     | 3 91  | .3 9 | 1.3  |
|            |    | 92.0    |      | 95.3   | 95.3  | 5     | 95.3  | 95.3       | 3 95.3                     | 95.   |       | 3 95.  |        | 3 95  |       | .3   | 5.3  |
| 1000       |    | 96.0    |      | 86.3   | 99.3  | 99.3  | 99.3  | 99.3       | •                          | .66   | 0     |        |        | 0     |       | .3 9 | 9.3  |
|            |    | 96.0    |      | 66.3   | 66.3  | 66.3  | 66.3  | 99.3       | 3 99.3                     | 66    | 0     | 3 89.  |        | 3 66  | .3 99 | .3   |      |
| 08<br>AI   |    | 96.7    |      | 100.0  | 100.0 | 100.0 | 100.0 | 100.0      | 100.0                      | 100.  | 0010  | 0100   |        | 0100  | 0100  | 010  | 0.0  |
|            |    | 96.7    |      | 100.0  | 100.0 | 100.0 | 100.0 | 100.0      | 0.0016                     | 100.  | 0100  | 0100   | -      | 0100  | 0100  | .010 | 0.0  |
| 009        |    | 96.7    |      | 100.0  | 100.0 | 100.0 | 100.0 | 100.0      | 100.0                      | 1000  | 0100  | 0100   | 0100   | 0100  | 0100  | .010 | 0.0  |
|            |    | 96.7    |      | 100.0  | 100.0 | 100.0 | 100.0 | 100.0      | 100.0                      | 1000  | 0100  | 0100   |        | 0100  | 0010  | 010  | 0.0  |
| 1 400      |    | 96.7    | 97.3 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0      | 0.0016                     | 100.0 | 0010  | 0100   | 0100   | 0100  | 0100  | .010 | 0.0  |
|            |    | 96.7    | 97.3 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0      | 100.0                      | 100.  | 0010  | 0100   |        | 0100  | 0100  | .010 | 0.0  |
| > 200      |    | 96.7    | 97.3 | 100.0  | 100.0 | 100.0 | 100.0 | 100.0      | 100.0                      | 100.  | 100.  | 0100   | 0100   | 0100  | 0100  | .010 | 0.0  |
|            |    | 96.7    | 67.3 | 10000  | 100.0 | 100.0 | 100.0 | 100.0      | 100.0                      | 1000  | 0100  | 0100   | 0100   | 0100  | 0100  | .010 | 0.0  |
| ٥          |    | 96.7    | 97.3 | 100.00 | 100.0 | 100.0 | 100.0 | 100.0      | 100.0                      | 100.0 | 0100  | 0100   | 0100   | 0100  | 0100  | .010 | 0.00 |

TOTAL NUMBER OF OBSERVATIONS

0

NUN

07 HOURS (1 S.T.)

...

5703 CEILING VERSUS VISIBILITY JAN 68

ET

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

STATION NAME

AGANA, GUAM

| CEILING    |   |      |          |       |          |       | VIS        | VISIBILITY (STATUTE MILES) | ATUTE MILI | (S)      |          |      |        |          |      |       |
|------------|---|------|----------|-------|----------|-------|------------|----------------------------|------------|----------|----------|------|--------|----------|------|-------|
| (JEE)      | 2 | ۸I   | S)<br>Al | AI AI | 2        | ¥2.4  | 7.         | ¥7. Y                      | ž<br>Al    | <u>-</u> | ≱<br>Al  | *    | Z<br>Z | ≥ 5/16   | N N  | 0 1   |
| NO CEILING |   | 56.0 | 56.0     | 56.0  | 56.0     | 56.0  | 56.0       | 56.0                       | 56.0       | 56.0     | 56.0     | 56.0 | 56.0   | 56.0     | 56.0 | 56.0  |
| N 18000    |   | -    |          | 71.3  | 71.3     | 71.3  | 71.3       | 71.3                       | 71.3       | 71.3     | 71.3     | 71.3 | 71.3   | 71.3     | 71.3 | 71.3  |
| ≥ 16000    |   | 72.0 | 7        | 72.0  | 72.0     | 72.0  | 72.0       | 72.0                       | 72.0       | 72.0     | 72.0     | 72.0 | 72.0   | 72.0     | 72.0 | 72.0  |
| ≥ 14000    |   | 73.3 | 73.      | 73.3  | 73.3     | 73.3  | 73.3       | 73.3                       | 73.3       | 73.3     | 73.3     | 73.3 | 73.3   | 73.3     | 73.3 | 73.3  |
| ≥ 12000    |   | 78.0 |          | 78.0  | 78.0     | 78.0  | 78.0       | 78.0                       | 78.0       | 78.0     | 78.0     | 78.0 | 78.0   | 78.0     | 78.0 | 78.0  |
| ≥ 10000    |   | 85.3 | 85.      | 65.3  | 85.3     | 85.3  | 85.3       | 85.3                       | 85.3       | 85.3     | •        | 85.3 | 85.3   | 85.3     | 85.3 | 85.3  |
|            |   | 88.0 |          | 0.88  | 88.0     | 88.0  | 88.0       | 88.0                       | 88.0       | 88.0     |          |      | 88.0   | 88.0     |      | 88.0  |
|            |   | 90.7 | 90.      | 1006  | 1.06     | -     | 90.7       | 40.1                       | 1006       | 90.7     | 90.7     | 90.1 | 90.7   | 90.7     | 1.06 | 400   |
| 7000       |   | 40.1 |          | 1006  | 1.06     | 90.7  | 90.7       | 90.7                       |            | 7.06     | 40.1     |      | 90.7   | 90.7     | 90.7 | 90.1  |
|            |   | 90.7 |          | 40.4  | 40.7     |       | 90.7       | 90.7                       |            | 1.06     | 40.7     | 90.7 | 40.1   | 90.7     | 40.7 | 40.1  |
| 2000       |   | 90.7 |          | 1.06  |          | 90.7  | 90.7       | 90.7                       | 90.7       | 1.06     |          | 1.06 | 40.1   | 90.7     | 40.7 | 40.1  |
|            |   | 40.1 |          | 40.7  | 91.3     |       |            | 91.3                       | 91.3       | 91.3     | 61.3     | 1:   | 91.3   | 91.3     | 91.3 | 91.3  |
| > 4000     |   | 91.3 |          | 91.3  | 92.0     | 92.0  | 92.0       | 92.0                       | 92.0       | 92.0     |          |      | 95.0   |          | 2.   | 92.0  |
|            |   | 91.3 |          | 91.3  | 92.0     |       |            | ~                          | 92.0       | 92.0     | 95.0     | 95.0 | 95.0   | 92.0     |      | 0.26  |
| 3000       |   | 92.7 |          | 92.7  | 3.       | 93.3  | 93.3       |                            | 93.3       |          | 3        |      | 3      |          | 3.   | 93.3  |
| ≥ 2500     |   | 93.3 | 93.      | 93.3  | 0.46     |       | 0.46       | 0.46                       | 0.46       | 0.46     | 0.46     | 94.0 | 0.00   | 0.46     | 0.96 | 0.00  |
| > 2000     |   | 94.0 |          | 0.46  | 1.46     | 94.7  | ;          |                            | 94.7       | 94.7     | ;        |      |        |          | ;    | 4.1   |
|            |   | 0.46 | 94.      | 0.46  | 7.46     | 94.7  | 94.7       |                            | 4.1        | 94.7     | ;        | 1.16 | 24.7   |          |      | 4.7   |
| > 1500     |   | 94.7 |          | 94.7  | 95.3     | 95.3  | 95.3       |                            | 95.3       | 95.3     | 3        | 95.3 | 95.3   | 95.3     |      | 95.3  |
|            |   | 96.0 | 96.      | 0.96  | 97.3     | 97.3  | 97.3       | 97.3                       | 97.3       | 97.3     | 97.3     | 97.3 | 97.3   | 97.3     |      |       |
| > 1000     |   | 96.7 |          | 97.3  | 48.7     | 98.7  | 98.7       | 98.7                       | 98.7       | 98.7     |          | 98.7 | 98.7   | 98.7     | _    | 98.7  |
| 0% 1       |   | 96.7 | 97.      | 61.3  | 7.86     | 98.7  | 98.7       | 98.7                       |            | 98.7     |          |      | 98.7   |          |      | 98.7  |
|            |   | 96.7 | 96       | 0.86  | 99.3     | 99.3  | 99.3       | 86.8                       | 99.3       | 66.3     |          | 99.3 | 99.3   |          | 6    | 88.3  |
|            |   | 96.7 |          | 0.86  |          |       | 99.3       | 99.3                       |            | 8.66     |          | 99.3 | 99.3   |          |      |       |
| 009 1      |   | 96.7 |          | 98.0  | 99.3     | 99.3  | 86.66      | 99.3                       | 99.3       | 86.66    | 99.3     | 86.3 | 99.3   | 99.3     | 99.3 | 99.3  |
|            |   | 96.7 |          |       | 0        | 0     | 100.001    | 0.00                       | 0.0        | .00      | 0        | 0.0  | 0      | 0        |      |       |
| N 400      |   | 96.7 |          |       | 100.00   | 100.0 |            | 00.00                      | 0.0        | 100.0    | 0        | 0.0  |        | 100.0    | 0    | 0.001 |
| 300        |   | 96.7 |          |       | 0.0      | 00    | 0.0        | 0                          | 0.0        |          | 0        | 0.0  | 0      |          | 0    | -     |
| 1 200      |   | 96.7 |          | 98.7  | 00.00    | 0     | 100.0      | 100.00                     | 0.0        | 100.0    | 0        | 0.0  |        |          |      | 0.00  |
| 8          |   | 96.7 | 1.86     | 8.7   | 100.00   | 100.0 | 10000      | 0                          | 100.0      | 0.0      | 100.0    |      | 0      | 100.0    | 0    | 0000  |
|            |   | 96.7 |          | 98.71 | 100.0100 | 0000  | .0100.010. | 00                         | 0100.0010  | 0.0      | 100.0100 | •    | 0.0010 | 100.0100 | 9    | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

150

**CEILING VERSUS VISIBILITY** 

| ACA  | AGANA, GUAM |         | STATION NAW |             |                     |       | 73      | 73-77                      |            | YEARS   |         |                |         | 1      | VUN        | 3     |
|--|-------------|---------|-------------|-------------|---------------------|-------|---------|----------------------------|------------|---------|---------|----------------|---------|--------|------------|-------|
|  | •           |         |             | PERCEI<br>( | PERCENTAGE<br>(FROM |       | -       | E S                        | CCUR       | EN C    |         |                |         |        | Sucas (I's | 1     |
| CEILING  |             |         |             |             |                     |       | VISI    | VISIBILITY (STATUTE MILES) | ATUTE MILI | (53)    |         |                |         |        |            |       |
| (FEET)   | N<br>N      | ۰<br>۸۱ | 8 11        | AI AI       | E AI                | > 2%  | 2 2     | ¥1 ¥                       | ¥1 ¥1      | -<br>AI | ¾<br>Al | <b>≉</b><br>∧I | N N     | ≥ 5/16 | AI         | ٨١    |
| O CEILING  |             | 49.3    | 49.3        | 49.3        | 49.3                | 49.3  | 49.3    | 49.3                       | 49.3       | 49.3    | 49.3    | 49.3           | 49.3    | 49.3   | 49.3       | 69.3  |
| N 18000  |             | 65.3    | 65.3        | 65.3        | 65.3                | 65.3  | 65.3    | 65.3                       | 65.3       | 65.3    | 65.3    | 65.3           | 65.3    | 65.3   | 65.3       | 65.3  |
| ≥ 16000  |             | 65.3    | 65.3        | 65.3        | 65.3                | 65.3  | 65.3    | 65.3                       | 65.3       | 65.3    | 65.3    | 65.3           | 65.3    | 65.3   | 65.3       | 65.3  |
| N 14000  |             | 96      | 96.0        | 66.0        | 96.0                | 96.0  | 9000    | 90.00                      | 99         | 0000    | 2000    | 2000           | 9000    | 96.0   | 99.0       | 960.0 |
|  |             | 84.7    | 84.7        | 84.7        | 84.7                | 84.7  | 84.7    | 84.7                       | 84.7       | 84.7    | 84.7    | 84.7           | 84.7    | 84.7   | 84.7       | 84.7  |
|  |             | 86.7    | 86.7        | 86.7        | 86.7                | 86.7  | 86.7    | 96.7                       | 86.7       | 86.7    | 86.7    | 86.7           | 86.7    | 86.7   | 86.7       | 86.7  |
| 0008   |             | 86.7    | 87.3        | 87.3        | 87.3                | 87.3  | 87.3    | 87.3                       | 87.3       | 87.3    | 87.3    | 87.3           | 87.3    | 87.3   | 87.3       | 87.3  |
|  |             | 86.7    | 00          | •           | -                   | -     | 2       | 87.3                       | -          | -       | 87.3    | :              | 87.3    |        | 87.3       | 87.3  |
| 0 00<br>000<br>000<br>000<br>000<br>000<br>000<br>000<br>000<br>00 |             | 20.70   | C 00        | 0 0         | 200                 | 0 0   | 8 6     | 0 0                        | 0 0        | 200     | 9 6     | 9 60           | 9 6     | 800    | 000        | 9 6   |
|  |             | 67.3    | 88          |             |                     |       | 0 00    | 88.0                       | 8          | 0       | 8       |                | 88.0    | 8      |            | 88.0  |
| 0007   |             | 87.3    | 00          |             | 88.0                | 88.0  |         | 8                          | 8          |         | 8       | 88.0           | 88.0    | 8      |            | 88.0  |
| > 3500   |             | 87.3    | 88.         | 88.0        | 88.0                | 88.0  | 98.0    | 88.0                       | 88.0       | 88.0    | 88.0    | 88.0           | 88.0    |        | 88.0       | 88.0  |
| 3000   |             | 88.0    | 8           | 88.7        | 88.7                | 88.7  | 88.7    | 88.7                       | 88.7       | 88.7    | 88.7    | 88.7           | 88.7    |        | 88.7       | 88.7  |
| 2500   |             | 88.0    |             | 88.7        | 88.7                |       | 88.7    | 88.7                       | 88.7       | 88.7    | 88.7    | 88.7           | 58.7    |        | 88.7       | 88.7  |
|  |             | 0.00    | 0           |             | 200                 | 200   |         | 200                        | 200        |         | 200     |                | 200     | 100    | 200        | 88.7  |
| 1                            |             | 000     | 00          | 91.3        | 91.3                | 600   | 91.3    | 91.9                       | 91.3       | 91.9    | 91.3    | 91.3           | 91.3    | 91.3   | 91.3       | 91.3  |
|  |             | 7.46    | 0           | 95.3        | 95.3                | 95.3  | 95.3    | 95.3                       | 95.3       | 95.3    | 95.3    | 95.3           | 95.3    | 95.3   | 95.3       | 95.3  |
| 1000   |             | 98.0    | 0           | 98.7        | 7.86                | 98.7  | 98.7    | 98.7                       | 7.86       | 98.7    | 48.7    | 2.86           | 98.7    | 98.7   | 98.7       | 98.7  |
| 8  |             | 98.0    | 0           |             | 7.86                |       | 98.7    |                            | 98.7       | 98.7    | 98.7    | 28.1           | 98.7    | 98.7   | 98.7       | 98.7  |
|  |             | 98.0    | 0           | 66.3        | 66.3                | 86.3  | 99.3    | 99.3                       | 99.3       | 99.3    | 99.3    | 99.3           | 99.3    | 99.3   | 99.3       | 99.3  |
| 92 4   |             | 98.0    | 0           | 66.3        | 66.3                | 99.3  | 99.3    | 99.3                       | 99.3       | 66.3    | 8.66    | 99.3           | 66.3    | 86.3   | 99.3       | 99.3  |
| 00   |             | 98.0    | 0           | 100.0       | 100.0               | 100.0 | 100.001 | 100.001                    | 100.00     | 100.00  | 100.00  | 100.00         | 100.001 | 00.00  | 0          | 0000  |
| 98   |             | 98.0    | 66.3        | 0.          | 100.0               |       | 100001  | 100.001                    | 100.001    |         | 00      |                | 100.001 |        | 0          | 100.0 |
| 007 1  |             | 98.0    | 99.3        | 100.0       | 100.0               | 100.0 | 100.001 | 100.001                    | 100.00     | 100.001 | 100.001 | 0              | 100.001 | 00.00  | 100.0      | 100.0 |
| 38   |             | 0.86    | 0           | 0.0         | 100.0               |       | 100.001 | 100.001                    | 100.00     | 100001  | :       | 0              | 100.001 |        | 0.0        | 10000 |
|  |             | 98.0    | 0           | 100.0       | 100.0               | 100.0 | 100.001 | 100.00                     | 100.00     | 100.00  | 100.00  | 100.00         | 100.00  | 00.00  | 100.0      | 100.0 |
| 8  |             | 98.0    | 66          | 10000       | 100.0               | 100.0 | 100.0   | 100.00                     | 10000      | 100.00  | 100.00  | 100.00         | 00.00   | 0000   | 10000      | 10000 |
|  |             | 98.0    | 0           | 100.0       | 100.0               | 100.0 | 100.00  | 100.0                      | 100.0      | 100.001 | 100.00  | 100.00         | 100.00  | 0000   | 100.0      | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1234-18766

### 400

### CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE STATION NAME AGANA, GUAM

(FROM HOURLY OBSERVATIONS)

NO CEILING

≥ 20000 VI VI 00081 00081 12000

000 000

AI AI

2000

AI AI

4500

AI AI

3000

AI AI

2000

ALAI

1800

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HOURS (1 S T

222

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82.7 82.7 82.7 79.3 84.0 85.3 85.3 0.96 84.0 0.86 85.0 86.0 99.3 82.0 82.0 0.86 82.0 83.3 93.3 99.3 81.3 71.3 82.7 64.7 79.3 96.0 82.0 98.0 84.0 85.3 85.3 86.0 81.3 82.0 82.7 84.0 93.3 83.3 2 5/16 82.0 82.0 79.3 85.3 82.0 84.0 82.7 82.7 86.0 98.0 98.0 81.3 83.3 84.0 66.3 71.3 93.3 0.96 0.96 85.3 99.3 99.3 82.7 2 ٨١ 82.0 84.0 19.3 0.86 0.86 85.3 86.0 66.3 82.0 83.3 84.0 85.3 93.3 81.3 82.7 ۸۱ 82.0 82.0 82.0 82.0 82.7 82.7 85.38 69.3 81.3 98.0 96.0 96.0 96.0 79.3 79.3 82.0 82.0 86.0 86.0 93.3 93.3 98.0 98.0 98.0 83.3 83.3 99.3 99.3 99.3 84.0 84.0 82.7 82.7 82.7 82.7 82.7 ۸۱ 66.7 98.0 66.3 81.3 ٨I VISIBILITY (STATUTE MILES) 84.0 98.0 82.0 0.48 93.3 85.3 81.3 83.3 86.0 86.0 85.3 85.3 VI 72 85.3 0.96 0.86 82.0 83.3 84.0 84.0 93.3 0.86 66.3 0.96 83.3 84.0 85.3 0.86 82.0 82.0 84.0 85.3 85.3 85.3 85.3 65.3 85.3 86.0 93.3 79.3 0.94 66.3 1000 0.86 81.3 82.0 82.7 7 93.3 93.3 82.0 0.86 82.0 83.3 98.0 66.3 66.3 66.3 84.0 86.0 82.7 82.7 82.7 82.7 82.0 98.0 79.3 79.3 82.0 82.0 82.0 82.0 83.3 86.0 .3 66.3 84.0 98.0 81.3 85.3 N Al 0.96 0.86 85.3 0.86 86.0 81.3 84.0 84.0 84.0 93.3 83.3 98.7 ۸۱ 79.3 85.3 0.96 0.86 81.3 82.0 83.3 1.3 93.3 98.0 86.0 7.86 7.86 7.86 98.7 98.7 N N 98.0 95.3 85.3 86.0 97.3 0.86 82.7 83.3 93.3 97.3 82.7 ۸۱ 2 ۸۱

TOTAL NUMBER OF OBSERVATIONS

98.7

80

AI AI

88

ALAI

120

HOURS (1 ST.)

0

### 5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |         |      |       |      |      |         | VISI    | BILITY (ST | VISIBILITY (STATUTE MILES) | ES)   |        |       |       |        |       |       |
|------------|---------|------|-------|------|------|---------|---------|------------|----------------------------|-------|--------|-------|-------|--------|-------|-------|
| (FEET)     | VI<br>5 | ۸I   | \$ 41 | **   | K 1  | 2 2%    | 7 AI    | W1 Y       | VI<br>Ş                    | Ā     | AI     | * 11  | N X   | 2 5/16 | AI    | ٨١    |
| NO CEILING |         | 54.0 |       | 54.0 | 54.0 | 54.0    | 54.0    | 54.0       | 54.0                       | 54.0  | 54.0   | 54.0  | 54.0  | 54.0   | 54.0  | 54.0  |
| > 20000    |         | 70.7 | 70.   | 70.7 | 70.7 | 70.7    | 70.7    | 0          | 70.7                       | 0     | 70.    | 70.   | 70    | 70.    | 70.   | 70.7  |
| N 18000    |         | 71.3 |       | 71.3 | 71.3 | 71.3    | 71.3    | 71.3       | 71.3                       | 71.3  | 71.3   | 71.3  | 71.3  | 71.3   | 71.3  | 71.3  |
| ≥ 16000    |         | 71.3 |       | 71.3 | 71.3 | 71.3    | 71.3    | 71.3       | 71.3                       | 71.3  | 71.3   | 71.3  | 71.3  | 71.3   | 71.3  | 71.3  |
| 14000      |         | 74.0 |       | 74.0 | 74.0 | 74.0    | 74.0    | 74.0       | 74.0                       | 74.0  | 74.0   | 74.0  | 74.0  | 74.0   | 74.0  | 74.0  |
| ≥ 12000    |         | 30.0 |       | 80.7 | 80.7 | 80.7    | 80.7    | 80.7       | 80.7                       | 80.7  | 1 80.7 | 80.7  | 80.7  | 80.7   | 80.7  | 80.7  |
|            |         | 84.7 |       | 86.0 | 86.0 | 86.0    | 86.0    |            | 86.0                       | 86.0  | 86.0   | 86.   | 86.0  | 86.0   | 86.0  |       |
| 0006 AI    |         | 85.7 | 88.   | 88.0 | 88.0 | 68.0    |         | 88.0       | 88.0                       | 88.0  | 88.    | 88.0  | 88.0  | 88.    | •     | 88.0  |
|            |         | 88.7 |       | 7.06 | 50.7 |         | 90.7    | 0          | 90.7                       |       | 90.7   |       |       | 6      | 90.7  | 90.7  |
| N 1000     |         | 88.7 |       | 90.7 | 7.06 | 7.06    | 90.7    | 90.7       | 90.7                       | 90.7  | 1 90.7 | 90.7  | 90.7  | 90.7   | 1006  | 90.7  |
|            |         | 88.7 | 1     | 7.06 | 7.06 | 90.7    | 7.06    | 0          | 90.7                       | 90.7  | 90.7   | 1.06  | 90.7  | 90.7   | 90.7  | 90.7  |
| 2 3000     |         | 88.7 |       | 91.3 | 91.3 |         | 91.3    | 91.3       | 91.3                       | 91.3  | 91.3   | 91.3  | 91.3  |        | 91.3  | 91.3  |
|            |         | 88.7 | 91.3  | 91.3 | 91.3 | 91.3    | 91.3    | 91.3       | 91.3                       | 91.3  | 91.3   | 91.3  | 91.3  | 91.3   | 91.3  | 91.3  |
| 4000       |         | 88.7 |       | 91.3 | 91.3 | 91.3    | 91.3    | 91.3       | 91.3                       | 91.3  | 91.3   | 91.3  | 91.3  |        | 91.3  | 91.3  |
|            |         | 88.7 |       | 91.3 | 91.3 | 91.3    | 91.3    | 91.3       | 91.3                       | 91.3  | 91.3   | 91.3  | 91.3  | 91.3   | 91.3  | 91.3  |
| > 3000     |         | 89.3 |       | 92.0 | 92.0 | 92.0    | 92.0    | 92.0       | 92.0                       | 92.0  | 92.0   | 92.0  | 92.0  | 92.0   | 92.0  | 92.0  |
| > 2500     |         | 90.0 | 1     | 92.7 | 92.7 | 92.7    | 92.7    | 92.7       | 92.7                       | 92.7  | 92.7   | 92.7  | 92.7  | 92.7   | 92.7  | 92.7  |
|            |         | 0.06 |       | 92.7 | 92.7 | 92.7    | 92.7    | 92.7       | 92.7                       | 92.7  | 92.7   | 92.7  | 92.7  | 92.7   | 92.7  | 92.7  |
| V 1800     |         | 90.0 |       | 92.7 | 92.7 | 92.7    | 92.7    | 92.7       | 92.7                       | 92.7  | 92.7   | 92.7  | 92.7  | 92.7   | 92.7  | 92.7  |
|            |         | 93.3 |       | 0.96 | 96.0 | 96.7    | 7.96    | 96.7       | 96.7                       | 96.7  | 1.96   | 96.7  | 96.7  | 96.7   | 96.7  | 96.7  |
| 1200       |         | 94.0 |       | 7.96 | 7.96 | 97.3    | 97.3    | 97.3       | 97.3                       | 97.3  | 97.3   | 97.3  | 97.3  | 97.3   | 97.3  | 97.3  |
| VI 1000    |         | 96.0 | - 1   | 98.7 | 7.86 | 86.3    | 99.3    | 99.3       | 99.3                       | 99.3  | 99.3   | 89.3  | 99.3  | 99.3   | 99.3  | 99.3  |
| 8<br>AI    |         | 96.0 |       | 98.7 | 98.7 | 99.3    | 8.66    | 99.3       | 99.3                       | 66.3  | 99.3   | 99.3  | 99.3  | 99.3   | 99.3  | 99.3  |
|            |         | 96.0 |       | 98.7 | 7.86 | 99.3    | 99.3    | 99.3       | 99.3                       | 99.3  | 1 99.3 | 99.3  | 99.3  | 99.3   | 99.3  | 99.3  |
|            |         | 96.0 |       | 7.86 | 98.7 | 86.9    | 99.3    | 99.3       | 99.3                       | 66.3  | 99.3   | 99.3  | 66.3  | 99.3   | 99.3  | 99.3  |
| 0 <b>9</b> |         | 96.0 |       | 98.7 | 98.7 | 99.3    | 99.3    | 99.3       | 99.3                       | 99.3  | 99.3   | 99.3  | 99.3  | 99.3   | 99.3  | 99.3  |
| 200        |         | 96.0 |       | 7.86 | 7.86 | 66.3    | 99.3    | 99.3       | 99.3                       | 99.3  | 66.3   | 99.3  | 99.3  | 99.3   | 99.3  | 99.3  |
| 1 400      |         | 96.0 |       | 99.3 | 99.3 | 100.001 | 100.001 | 100.00     | 100.0                      | 100.0 | 100.0  | 100.0 | 100.0 | 10000  | 10000 | 100.0 |
| 30         |         | 96.0 |       | 6.66 | 66.3 | 100001  | 100.001 | 100.0      | 100.0                      | 10000 | 100.0  | 10000 | 100.0 | 100.0  | 100.0 | 100.0 |
|            |         | 96.0 |       | 99.3 | 66.3 | 100.0   | 10000   | 100.0      | 100.0                      | 100.0 | 100.0  | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |
| 8          |         | 96.0 |       | 66.3 | 66.3 | 100.0   | 100.001 | 100.00     | 100.0                      | 100.0 | 100.0  | 10000 | 100.0 | 100.0  | 10000 | 100.0 |
|            |         | 96.0 |       | 66.3 | 66.3 | 100.0   | 100.00  | 100.00     | 100.0                      | 100.0 | 100.0  | 100.0 | 100.0 | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

150

### 4 .

NON

**CEILING VERSUS VISIBILITY** 

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

0

19 HOURS (L S T.) 2000

| CEILING    |   |      |      |      |      |      | VISIA | VISIBILITY (STATUTE | ATUTE MILES) | (5)   |       |       |         |        |       |       |
|------------|---|------|------|------|------|------|-------|---------------------|--------------|-------|-------|-------|---------|--------|-------|-------|
| (FEET)     | 2 | ۸I   | \$   | *    | 21   | ≥ 2% | 7 7   | ¥1 ¥1               | ¥1           | ĀI    | AI    | *     | AI<br>Z | ≥ 5/16 | AI    | ٨١    |
| NO CEILING |   | 62.0 | 62.0 |      | 2.   | 2    | 2.    | 2.                  | 2            | 2.    | 2.    | 62.   | 2       | 62.    | 2.    |       |
| > 20000    |   | 76.7 | .0   |      | 76.7 | 76.7 |       | 70.7                | .0           | 76.7  | 9     | 76.   |         | 76.    | .9    | 76.7  |
|            |   | 76.7 | 76.7 | 76.7 |      | 76.7 |       |                     |              | -     | .9    | 1     |         | 1      |       | 76.7  |
| N 16000    |   | 76.7 |      | 76.7 |      |      |       |                     | 9            |       | ;     | 76.   |         | 76.    | ;     | 76.7  |
| > 14000    |   | 77.3 | 77.3 |      | -    | -    |       | -                   | -            | -     | 77.   | 77.   |         | 77.    | -     | 77.3  |
| 2 12000    |   | 80.0 |      | 80.0 |      | 0    | 0     |                     | 0            | 0     | 80.   | 80.   | 0       | 80.    | 0     |       |
|            |   | 86.0 | 86.0 |      |      |      |       |                     | .0           |       | 86.   | 86.   |         | 86.    |       |       |
| 0006       |   | 88.0 |      | 88.0 |      |      |       |                     |              |       | 88.   | 88.   |         | 88.    |       | 88.0  |
|            |   | 91.3 | 91.3 | -    |      | :    | :     | -                   | -            | -     | 91.   |       | -       | 91.    | =     |       |
| 7000       |   |      | -    | 91.3 | =    | -    |       |                     | -            | :     | 91.   | 91.   | -       | 91.    | =     |       |
| 1          |   | 91.3 | 91.3 | -    | :    | -    | -     | -                   | -            | -     | 91.   | 91.   | -       | 91.    | =     |       |
| 2000       |   |      | 91.3 | 91.3 |      | :    | -     | -                   | -            |       | 91.   | 91.   | -       | 91.    | -     |       |
|            |   |      | 61.3 | :    | :    | 1    | -     | -                   | -            | :     | 91.   | 91.   | -       | 91.    | -     | 91.3  |
| 141        |   | 91.3 | 91.3 | 91.3 | :    | -    |       | -                   | -            |       | 91.   | 91.   | -       | 91.    | -     |       |
| 1          |   |      | 91.3 | -    | :    | 1    | :     | -                   | -            | :     | 91.   | 91.   | 1       | 91.    | 1     |       |
| 3000       |   |      | 91.3 |      | :    | :    |       | -                   | . :          | :     | 91.   | 91.   | -       | 91.    | -     | 91.3  |
| 1          |   | 91.3 | 61.3 | -    | 91.3 |      |       |                     |              |       | 16    | 16    | 91.3    | 0      | 91.3  | 91.3  |
| 2000       |   |      | 91.3 |      | :    | -    | :     | -                   | :            | -     | 91.   | 91.   | :       | 91.    | -     | 91.3  |
| 1          |   | 91.3 | 91.3 | -    | :    | -    | :     | -                   | -            | -     | 91.   | 91.   | :       | 91.    | -     |       |
| 1300       |   | 93.3 | 93.3 | 93.3 |      | 3    | -     |                     | 6            |       | 93.   | 93.   | 3       | 93.    | 3     | 93.3  |
|            |   | 94.7 | 7.46 |      | 3    | 5    | 3     |                     | S            | 3     | 95.   | 95.   | 3       | 95.    | 3     |       |
| 0001       |   | 96.0 | 0.96 | 0.96 |      |      |       |                     | ;            | •     | 96    | 96    |         | 96     | ;     | 96.7  |
|            |   | 96.0 | 0.96 |      |      |      |       |                     | .0           |       | 96.   |       | ;       | 96     | 96.7  | 96.1  |
| 00<br>Al   |   |      | 97.3 | 98.0 |      | 98.7 | 6     | 0                   | 0.0          | 100.0 | 100   | 100   | 0       | 100    | 10000 |       |
|            |   |      | 97.3 | •    |      |      | 9.3   | 00                  | 0.0          | 0     | 100.0 | 100.0 | 00      | 100    | 0     | 1000  |
| 8          |   |      | 97.3 |      |      | 98.7 |       | 0                   | 0.0          | .00   | 100.0 | 100.0 | 0       | 100.0  | 0     | 1000  |
|            |   |      | 97.3 |      |      |      | 6     |                     | 0.0          | 0     | 100.  | 100.0 |         | 1001   |       | 100.0 |
| 9          |   |      | 97.3 |      |      | 7.86 |       | 0                   | 0            | 0     | 100.  | 10000 | 00      | 100.   | 0     | 100   |
|            |   | 96.7 | 97.3 | 98.0 | 7.80 | -    | 99.31 | 0                   | 100.001      | -     | 100.0 | 100.0 | 100.0   | 20     | 10000 | 100.0 |
| 700        |   |      | 97.3 | 98.0 |      | 98.7 | 99.31 | 00.00               | 0.0          | 100.0 | 0     | 1001  | 0       | 100001 | 100.0 | 1000  |
| 8          |   |      | 97.3 | 0.86 | 98.7 | 7.86 | 99.31 | 00.00               |              | 0     | 0     |       | 0       | 2      |       | 1000  |
| 0          |   | 96.7 | 97.3 |      | 98.7 | 98.7 | 99.31 | .00.01              | 100.00       | 1000  | 100.0 | 100.0 | 100.0   | 100.0  | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

.

1

# **CEILING VERSUS VISIBILITY**

NON

22 HOURS (1 S T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) STATION NAME

AGANA, GUAM

| CEILING    |         |      |        |         |       |         | VISI    | IBILITY (ST. | VISIBILITY (STATUTE MILES) | (53)  |       |       |       |        |         |       |
|------------|---------|------|--------|---------|-------|---------|---------|--------------|----------------------------|-------|-------|-------|-------|--------|---------|-------|
| (FEET)     | VI<br>5 | ۸I   | \$ 41  | 4       | 8 41  | 1 2%    | 7 AI    | ¥1 ¥1        | ¥1                         | ĀI    | AI    | *     | AI SE | ≥ 5/16 | AI      | ٨١    |
| NO CEILING |         | 63.3 | 63.3   | 63.3    | 63.3  | 3       | 63.3    | 3.           | 63.3                       | 63.3  | 3     |       | 63.3  | 63.3   | 63.3    | 63.3  |
| > 20000    |         | 74.0 |        | 74.0    |       | 74.0    | 100     | 74.0         | 74.0                       | 74.0  | 74.0  | 74.   | 74.0  | 74.0   | 74.0    | 74.0  |
|            |         |      | ;      | 74.0    | 74.0  | 74.0    | 74.0    | 74.0         | 74.0                       | 74.0  | 74.0  | 74.0  | 74.0  | 74.0   | 74.0    | 74.0  |
| N 16000    |         |      | 74.0   | 74.0    | 74.0  | 74.0    | 74.0    | 74.0         | 74.0                       | 74.0  | 74.0  | 74.   | 74.0  | 74.0   | 74.0    | 74.0  |
|            |         |      | 75.3   | 75.3    | 75.3  | 75.3    | 75.3    |              | 75.3                       | 75.3  | 75.3  | 75.   | 75.3  |        | 75.3    | 75.3  |
| 2 12000    |         | 81.3 | 81.3   | 81.3    | 81.3  | 81.3    | 81.3    | 81.3         | 81.3                       | 81.3  | 81.3  | 8     | 81.3  | 81.3   | 81.3    | 81.3  |
| 20         |         | 88.7 | 88.7   | 88.7    | 88.7  | 8       |         | 8            | 88.7                       | 88.7  |       |       | 88.7  | 88.7   | 88.7    | 88.7  |
| 0006       |         | 400  | 7.06   |         | 1000  | 40.7    |         | 90.7         | 500                        |       | 90.7  | 90.7  | 90.7  |        | 90.7    |       |
| 1          |         | 92.7 | 92.7   | 45.7    | - 50  | 92.7    |         |              |                            |       |       |       | 92.7  | 1 -    | 1 2     |       |
| 141        |         | 92.7 | 92.7   | 1000    | 92.7  | 92.7    | 70.00   | 92.7         | 92.7                       |       |       | 92.7  | 92.7  | 7      | 92.7    | 92.7  |
| 1          |         | 92.7 | 92.7   | 92.7    | 92.7  | 92.7    | 92.7    | 100          |                            | 92.7  | 92.7  |       | 92.7  | 1      | 92.7    | 92.7  |
| 2000       |         | 92.7 | 92.7   | 92.7    | 0.000 | 92.7    |         | 92.7         | 92.7                       | -     | 92.7  | 92.7  | 92.7  | 92.7   | 92.7    |       |
|            |         | 92.7 | 92.7   | 92.7    | 92.7  | 92.7    | 42.7    |              | 92.7                       | 92.7  | 92.7  |       | 92.7  | 92.7   | 92.7    | 92.7  |
| 4000       |         | 92.7 | 92.7   | 92.7    | 92.7  | 92.7    | 92.7    | 92.7         | 92.7                       |       | 92.7  | 92.7  | 92.7  | 92.7   | 92.7    | 92.7  |
|            |         | 92.7 | 92.7   |         | 92.7  | 1000    | 92.7    | O. C.        | 92.7                       | 92.7  | 92.7  |       | 92.7  | 20.7   | 92.7    | 92.7  |
| 3000       |         | 92.7 | 92.7   | 92.7    | 92.7  | 92.7    | 92.7    | 92.7         | 92.7                       | -     | 92.7  | 92.7  | 92.7  |        | 92.7    |       |
| > 2500     |         | 92.7 | 92.7   | 92.7    | 92.7  | 92.7    | 92.7    | 92.7         | 92.7                       | 92.7  | 92.7  | 92.7  | 92.7  | 92.7   | 92.7    | 92.7  |
|            |         | 92.7 | 92.7   |         | 92.7  |         | 92.7    | 92.7         | 92.7                       | 92.7  | 92.7  |       | 92.7  | 92.7   | 92.7    | 92.7  |
| 1800       |         | 92.7 | 92.7   | 92.7    | 92.7  | 92.7    | 92.7    | 92.7         | 92.7                       | 92.7  | 92.7  | 92.7  | 92.7  | 92.7   | 92.7    | 92.7  |
| > 1500     |         | 94.0 | 0.46   |         | 94.0  | 94.0    | 0.46    | 0.46         | 0.46                       | 94.0  | 0.46  | •     | 0.46  | 94.0   | 0.46    | 94.0  |
|            |         | 97.3 | 97.3   | 97.3    | 97.3  |         | 97.3    | 97.3         | 97.3                       | 97.3  | 97.3  | 97.3  | 97.3  | 97.3   | 97.3    | 97.3  |
| V 1000     |         | 98.0 | 0.86   | 98.7    | 98.7  | 98.7    | 98.7    | 98.7         | 98.7                       | 98.7  | 98.7  | 0     | 8     | 98.7   | 98.7    | 98.7  |
| 8<br>AI    |         | 98.0 | 98.0   | 98.7    | 98.7  | 98.7    | 98.7    | 98.7         | 7.96                       | 98.7  | 98.7  |       | 98.7  | 98.7   | 98.7    | 98.7  |
|            |         | 98.0 |        | 99.3    | 99.3  | 66.66   | 99.3    | 99.3         | 99.3                       | 66.66 | 99.3  | 86.66 | 99.3  | 99.3   | 99.3    | 99.3  |
|            |         | 98.0 | 98.7   | 8.66    | 66.3  | €. 66   | 8.66    | 8.66         | 8.66                       | €.66  | 99.3  | €.66  | 99.3  | 66.3   | 99.3    | 99.3  |
| 009 1      |         | 98.0 | 98.7   | 99.3    | 66.3  | 66.3    | 99.3    | 99.3         | 99.3                       | 66.3  | 99.3  | 66.3  | 99.3  | 99.3   | 66.3    | 99.3  |
|            |         | 98.0 | 98.7   | 8.66    | €.66  |         | 66.     | 99.3         |                            | 66.3  |       | 66.3  |       | 99.3   | 66.3    | 66.3  |
| A 40       |         | 98.0 | 98.7   | 66.3    | 99.3  | 86.66   |         | 99.3         | 8.66                       | 66.3  | 99.3  | 0     | 99.3  | 99.3   | 99.3    | 99.3  |
| 38         |         |      | £ . 66 | 100.001 | 100.0 |         | 100.001 | 100.00       | 100.001                    | 0.001 | 100.0 | 100.0 | -     | 100.00 | 100.0   | 100.0 |
|            |         |      | 66.3   | 100.00  | 100.0 | 100.001 | 100.0   | 100.0        | 100.001                    | 100.0 | 100.0 | 100.0 | 100.0 | 100.0  | 100.0   | 100.0 |
| VI<br>8    |         | 98.7 | 66°3   | 100.00  | 100.0 | 100.001 | 100.001 | 100.00       | 100.001                    | 10000 |       | 100.0 |       | 100.0  | 100.0   | 100.0 |
| ٨١         |         |      | 66.3   | 100.00  | 100.0 | 100.00  | 100.0   | 100.00       | 100.001                    | 100.0 | 100.0 | 10000 | 100.0 |        | 100.001 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

0

VON

AGANA, GUAM

....

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

| CEILING    |   |         |       |      |  |      | VISI    | BILITY (STA | VISIBILITY (STATUTE MILES) | S     |         |        |       |        |       |       |
|------------|---|---------|-------|------|--|------|---------|-------------|----------------------------|-------|---------|--------|-------|--------|-------|-------|
| (FEET)     | 2 | 9<br>Al | \$ 41 | 4    | E AI   | ≥ 2% | N<br>Al | ¥ 71        | ¥1 VI                      | -     | ≱<br>Al | *      | Z AI  | ≥ 5/16 | AI    | 0 11  |
| NO CEILING |   |         |       |      | 56.0   | 6    | .0      | 56.0        | 56.0                       | 56.0  |         | 56.0   | 56.0  | 56.0   |       | 56.0  |
| ≥ 20000    |   |         | 70.8  | 70.8 | 70.8   | 70.8 | 70.8    |             | 70.8                       | 70.8  | 70.8    | 70.8   | 70.8  | 70.8   | 70.8  | 70.8  |
| ≥ 18000    |   | 71.1    |       | 71.1 | 71.1   | 71.1 | 71.1    | 71.1        | 71.1                       | 71.1  | 71.1    | 71.1   | 71.1  | 71.1   | 71.1  | 71.1  |
| N 16000    |   |         | 71.2  | 71.2 | 71.2   | 71.2 | 71.2    | 71.2        | 71.2                       | 71.2  | 71.2    | 71.2   | 71.2  | 71.2   | 71.2  | 71.2  |
|            |   |         |       | 72.3 | 72.3   | 72.3 | 72.3    | 72.3        | 72.3                       | 72.3  | 72.3    | 72.3   | 72.3  | 72.3   | 72.3  | 72.3  |
| 2 12000    |   |         |       | 77.3 | 77.3   | 77.3 | 77.3    | 77.3        | 77.3                       | 77.3  | 77.3    | 77.3   | 77.3  | 77.3   | 77.3  | 77.3  |
|            |   |         |       | 84.4 | 84.4   | 84.4 | 84.4    | 84.4        | 84.4                       | 84.4  | 84.4    | 84.4   | 84.4  | 84.4   | 84.4  | 4.48  |
| 000        |   |         | 86.3  | 86.4 | 86.4   | 86.4 | 86.4    | 86.4        | 86.4                       | 4.98  | 86.4    | 86.4   | 86.4  | 86.4   | 86.4  | 86.4  |
| 1          |   | -       |       | 88.2 | 88.2   | 88.2 | 8       | 88.2        | 88.2                       | 88.2  | 88.2    | 88.2   | 88.2  | 88.2   | 88.2  | 88.2  |
| 000        |   | :       | 88.1  |      |  | 88.2 | 88.2    | 88.2        |                            |       |         | 88.2   | 88.2  | 88.2   | 88.2  | 88.2  |
| 1          |   |         | 88.3  |      |  | 88.3 |         | 88.3        |                            | 1000  |         | 88.3   | 88.3  | 88.3   | 88.3  | 88.3  |
| 2000       |   |         | 4.88  |      |  | 88.5 | 88.5    | 88.5        | 88.5                       | 88.5  |         | 88.5   | 88.5  | 88.5   | 88.5  | 88.5  |
|            |   | 88.2    | 88.5  |      | 8  |      |         | 88.8        | 88.8                       | 88.8  |         | 88.8   | 88.8  | 88.8   | 88.8  | 88.8  |
| 900        |   | 88.3    |       | 88.8 | 88.9   |      | 88.9    | 88.0        | 88.9                       |       |         | 88.9   | 88.9  | 88.9   | 68.8  | 88.9  |
| 1          |   | 88.5    |       |      |  |      | 89.1    | 89.1        | 89.1                       |       | 89.1    | 89.1   | 89.1  | 89.1   | 89.1  | 89.1  |
| 300        |   | 89.0    |       |      | 89.7   | 6    | 0       | 89.7        | 89.7                       | 89.7  | 89.7    | 89.7   | 89.7  | 89.7   | 89.7  | 89.7  |
|            |   | 89.6    | 90.2  |      |  | 90.3 |         | 90.3        | 90.3                       | 8006  |         | 0      | 90.3  | 90.3   | 0     | 90.3  |
| 1 2000     |   | 89.7    |       | €.06 | 4.06   | 4.06 | 4.06    | 90.6        | 4.06                       | 4.06  | 4.06    | 0      | 4.06  | 90.4   | 4.06  | 4.06  |
|            |   | 89.8    |       | 4.06 |  | 0    |         |             |                            | 90.5  | 5.06    | ò      | 90.5  | 90.5   | 90.5  | 90.5  |
| 1500       |   | 92.3    | 93.0  | 93.1 | 93.2   | 93.3 | 93.3    | 93.3        | 93.3                       | 63.3  | 93.3    | 3      | 93.3  | 93.3   | 93.3  | 93.3  |
|            |   | 8.96    |       | 6.56 |  |      |         | 6.96        |                            | 96.3  | 96.3    | 6.96   | 96.3  |        |       | 96.3  |
| 0001       |   | 96.8    | 7.16  | 98.3 | 8  | 8    |         | •           | 8                          | 98.7  | 98.7    | :      | 98.7  |        |       | 7.86  |
|            |   | 8.96    | 7.76  | 98.3 | 8  |      |         | 98.7        | 1.86                       | 7.86  | 98.7    | 8      | 86    |        | 98.7  | 98.7  |
| 008        |   |         | 98.2  |      | 6.66   |      | 99.5    |             | 9.66                       | 9.66  | 96.6    |        | 99.6  | 99.66  |       | 99.66 |
|            |   |         | 98.2  | 0.66 | 99.3   |      |         | 9.66        | 9.66                       | 9.66  | 6       |        | 99.0  | 99.66  |       | 99.66 |
| 9          |   |         | 6.86  | 3.66 | 99.5   |      | 4.66    |             | 8.66                       |       |         |        | 3.66  | 99.8   |       | 86.66 |
|            |   |         | 68.3  | 66.3 | 9.66   |      |         | 90.6        | 8.66                       | 8.66  | 8.66    | 8.66   |       | 8.66   | 8.66  | 8.66  |
| 84         |   |         | 4.86  |      | 1.66   |      | 0       | 6.66        | 6.66                       | 6.66  |         |        | 6.66  | 6.66   | •     | 6.66  |
| 38         |   | 97.1    | 98.5  | . 6  |  | 6    | •       |             | 0.00                       | .00   | 0       | 0      |       | 00     | 0.0   |       |
| 1 200      |   | •       |       |      |  | 6    | 6       | 0           | 0000                       | 0     | 0       | 0      | 0.0   | 00     | 0     | 0     |
| 8          |   |         | 98.5  | 6    | 8.66   | 90.8 | 6.6     | 00.00       |                            | 0     |         | •      | 0000  |        | 0     |       |
|            |   |         | 98.5  | 4.66 | 8.66   |      | 99.91   | 100.01      | 100.001                    | 10000 | 100.0   | 100.01 | 100.0 | 100.0  | 100.0 | 100.0 |
|            |   |         |       |      | The same of the sa |      |         |             |                            |       |         |        |       |        |       |       |

CEILING VERSUS VISIBILITY JAN 68

200

TOTAL NUMBER OF OBSERVATIONS

HOURS (L'S.T.)

# **CEILING VERSUS VISIBILITY**

| <u> </u>                       |                                    |
|--------------------------------|------------------------------------|
| ERCENTAGE FREQUENCY OF OCCURRE | (FROM HOLIRIY ORSERVATIONS)        |
|                                | PERCENTAGE FREQUENCY OF OCCURRENCE |

| CEILING    |     |         |      |      |      |      | VISIV | BILITY (STA | VISIBILITY (STATUTE MILES) | S    |         |      |       |        |       |      |
|------------|-----|---------|------|------|------|------|-------|-------------|----------------------------|------|---------|------|-------|--------|-------|------|
| (FEET)     | N N | ٥<br>٨١ | 87   | 4    | e vi | ≥ 2% | 2 AI  | ۲۱<br>۲۱    | VI<br>72                   | Ā    | %<br>Al | *    | Z AI  | 2 5/16 | AI ×  | ٨١   |
| NO CEILING |     | 1.99    | 7.00 | 1.99 | 1.99 | 66.1 | 1.99  | 1.00        | 1.98                       | 1.99 | 1.09    | 66.1 | 80.1  | 66.1   | 800   | 99   |
| V 18000    |     | 80.7    | 90   |      | 30   | 30   | 80.7  | 6           | 0                          | ò    | 6       | 6    |       | 0      | 80.   | 00   |
| ≥ 16000    |     | 80.7    | 80.  |      |      | 0    |       | 0           | 0                          | 80.7 | 0       | 0    | 0     | 0      | 80.   |      |
| ≥ 14000    |     | 80.7    | 80.  |      |      | 0    |       | 80.7        | 0                          | 80.7 |         | 0    |       | 80.    | 80.   | 80   |
|            |     | 83.1    | 83.  |      |      | 3.   |       | 3.          | -                          | 3    | 3       | 3    |       | 3.     | 83.   |      |
| ≥ 10000    |     | 87.9    |      | 87.9 | •    | 87.9 | 87.9  | 87.9        | 87.9                       | 87.9 | -       | -    |       | -      | -     |      |
|            |     | 87.9    | 87.  | 87.9 | 87.9 |      |       | 1           |                            | 7    |         | •    | -     |        | 87.   |      |
|            |     | 8.06    | 90.  | 90.3 | 6.06 |      | 90.3  |             | 80.3                       | 8.06 | 600     | €.06 | 90.3  |        | -06   | € 80 |
| > 7000     |     | 90.3    | .06  |      | 80.3 |      |       | 90.3        | 80.3                       |      | ò       | :    | 0     |        | 90.   |      |
|            |     | 90.3    |      | 90.3 | 90.3 |      |       | 6           | 90.3                       | 6.06 |         |      |       |        |       | 3 90 |
| 2000       |     | 91.1    | 91.  | :    | 91.1 |      |       | 91.1        | 91.1                       | 91.1 | -       | •    | -     |        | 91.   |      |
|            |     | 91.1    |      | :    | -    |      |       | :           | 91.1                       | -    | •       | -    | :     |        | 91.   | 1 91 |
| 0004       |     | 91.1    |      | 91.1 | 91.1 |      | 91.1  | 91.1        | :                          | 91.1 | -       | -    | -     |        | 91.   | 0    |
| > 3500     |     | 91.1    |      | :    | 91.1 | 91.1 | -     | -           | 91.1                       | -    |         | 91.1 | 91.1  | 91.    | 1 91. | 1 91 |
| > 3000     |     | 91.1    | 91.  | -    | :    | 91.  | 91.1  | -           | -                          | -    | -       | -    | -     |        | 91.   | 0    |
|            |     | 91.1    | 91.  | :    |      | 91.  | :     | -           |                            |      |         |      | 91.1  |        |       | 1 91 |
| 7 2000     |     | 91.9    | 92.  | 92.7 | 92.7 | 92.  | 2     | 2.          | 3                          | 2.   | 3.      | 2.   | 2.    |        | 92.   |      |
|            |     | 61.6    |      | 2.   |      |      | 92.7  | 92.7        | 92.7                       |      | 92.7    | 92.7 | 92.7  |        | 7 92. | 7 92 |
| 1500       |     | 4.40    | 95.  | 95.2 | 95.2 | 95.  | 5.    | 2           |                            |      | 5       | 2    | 2     |        | 0     | 2 95 |
|            |     | 96.0    | 96   |      |      | 97.  | 7.    |             | 7.                         | 97.6 | 7.      | 97.6 |       |        | 97.   |      |
| 1000       |     | 96.0    | 97.  |      | 98.4 | 98.4 |       |             | 98.4                       | 8    |         |      | 4.86  |        | 98.   | 0    |
|            |     | 96.0    | 97.  |      |      | 98.4 | 98.4  |             |                            |      |         |      |       | 98.    |       |      |
| 00<br>AI   |     | 96.0    | 97.  | 97.6 | 98.4 | 98.4 | 99.2  | 6           |                            |      | 6       |      | 100.0 | 1000   | 0100. | 0100 |
|            |     | 96.0    |      | 97.6 | 98.4 | 98.4 | 6     | 2.66        | 6                          |      |         | ~    | 100.0 | 100    |       | -    |
| 00         |     | 96.0    | 97.  |      | 98.4 |      | 2.66  | 6           |                            |      | 6       | 8.5  | 00    | 100    | 100   | 0100 |
|            |     | 96.0    |      |      | 6    |      | .6    |             | 6                          |      | 6       | N    | 100.0 | 100    |       | 0100 |
| 0<br>1     |     | 96.0    | 97.  | 97.6 | 98.4 | 98.4 | 3.66  | 99.2        | 99.2                       | 86.5 | 99.2    | 9.2  |       | 100.   | 100   | 0010 |
| 300        |     | 96.0    |      |      | ō    |      |       |             | 6                          |      | 6       | 8.5  | 0.00  |        | 0     | 0100 |
| N 200      |     | 96.0    |      | •    | 98.4 |      | 6     |             | 6                          | 6    |         | 8.5  | 00.00 | 00     |       | 0100 |
|            |     | 96.0    |      | 97.6 | 0    | 4.86 | 2.66  |             | 99.5                       | 2.66 |         | ~    | 100.0 | 0      |       |      |
| ٨١         |     | 96.0    |      | •    | 98.4 |      | 6     |             | 6                          | 6    | 0       | 2.6  | 0     | 100.   | 0100  | 0100 |

TOTAL NUMBER OF OBSERVATIONS

0

0

CEILING VERSUS VISIBILITY

DEC

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |   |      |      |      |       |       | VISI    | BILITY (ST | VISIBILITY (STATUTE MILES) | ES)     |       |        |       |        |         |       |
|------------|---|------|------|------|-------|-------|---------|------------|----------------------------|---------|-------|--------|-------|--------|---------|-------|
| (FEET)     | 2 | 9 11 | 82   | 7    | e Al  | ≥ 2%  | N<br>Al | ¥1 ¥1      | VI 37                      | -<br>AI | AI    | *      | Z AI  | ≥ 5/16 | VI<br>N | ٨١    |
| NO CEILING |   | 63.7 | 63.7 | 63.7 |       | 63.7  | 63.7    | 63.7       | 63.7                       |         | 63.   | 63.7   | 63.7  | 63.    | 63.7    | 63.7  |
| N 20000    |   | 79.0 | 79.0 | 79.0 | 79.0  | 79.0  | 79.0    | 79.0       | 79.0                       | 79.0    | 79.0  | -      | 79.   | -      | 79.0    | 79.0  |
| N 18000    |   | 29.0 | 19.0 | 19.0 | 19.0  | 19.0  |         | 79.0       |                            | 19.0    |       | 0 40 0 | 79.0  | 79.    | 0 19.0  | 79.0  |
| 00091 4    |   | 79.0 | 19.0 | 19.0 |       | 19.0  | 79.0    | 79.0       | 79.0                       | •       |       | 79.    | 79.   | 79.    | 79.     | 79.0  |
| N 14000    |   | 19.8 | 19.8 | 19.8 | 19.8  | 19.8  | 79.8    | 19.8       | 79.8                       | 19.8    | 79.8  | 8 79.8 | 79.   | 79.    | 8 79.8  | 79.8  |
| ≥ 12000    |   | 83.9 | 83.9 | 83.9 | 83.9  | 83.9  | 83.9    | 83.9       | 83.9                       | 83.9    | 83.5  | 83.9   | 3     | 83.    | 83.9    | 83.9  |
| Z 10000    |   | -    |      | 87.1 | 87.1  | 87.1  | 87.1    | 87.1       | 87.1                       | 87.1    | 87.   | 87.1   | 7.    | 87.1   | 87.1    | 87.1  |
|            |   | 90.3 | 6.06 | 60.3 | 6.06  | 90.3  | 90.3    | 90.3       | 90.3                       | 90.3    | .06   | 1 90.3 | 90.3  | 1 90.3 | 1 90.3  | 90.3  |
|            |   | 91.1 | 91.1 | 1.16 | 91.1  | 91.1  | 91.1    | 91.1       | 91.1                       | 91.1    | 91.   | 91.1   | 91.1  | 91.1   | 91.1    | 91.1  |
| > 7000     |   | 91.1 | 91.1 | 91.1 | 91.1  | 91.1  | 91.1    | 9101       | 91.1                       | 91.1    | 91.1  | 91.1   | 91.1  | 91.1   | 91.1    | 91.1  |
| 0009 4     |   | 1.16 | 91.1 | 1.16 | 1.16  | 91.1  | 1.16    | 91.1       | 91.1                       | 91.1    | 91.   | 91.1   | 91.1  | 91.1   | 91.1    | 91.1  |
| > 2000     |   | 91.1 | 91.1 | 91.1 | 1.16  | 91.1  | 91.1    | 91.1       | 91.1                       | 91.1    | 91    | 91.1   | 91.1  | 91.1   | 91.1    | 91.1  |
|            |   | 91.1 | 1.16 | 91.1 | 1.16  | 91.1  | 91.1    | 91.1       | 91.1                       | 91.1    | 91.   | 91.1   | 91.1  | 91.1   | 91.1    | 91.1  |
| > 4000     |   | 91.1 | 91.1 | 91.1 | 91.1  | 91.1  | 91.1    | 91.1       | 91.1                       | 91.1    | 91.   | 91.1   | 91.1  | 91.1   | 91.1    | 91.1  |
| > 3500     |   | 91.1 | 91.1 | 91.1 | 91.1  | 1     | 91.1    | 91.1       | 91.1                       | 91.1    | 91.   | 91.1   | 91.1  | 91:1   | 91.1    | 91.1  |
| > 3000     |   | 91.1 | 91.1 | 91.1 | 1.16  | 91.1  | 91.1    | 91.1       | 91.1                       | 91.1    | 91.   | 91.1   | 91.1  | 91.1   | 91.1    | 91.1  |
| 2 2500     |   | -    | 91.1 | 91.1 | 91.1  | 91.1  | 91.1    | 91.1       | 91.1                       | 91.1    | 91.   |        | 91.1  | •      | 91.1    | 91.1  |
|            |   |      | 61.6 | 61.6 | 61.6  | 91.0  | 61.6    | 91.4       | 91.9                       | 91.9    | :     | 9 91.9 | 91.9  | 91.9   | 91.9    | 91.9  |
| V 1800     |   | -    | 61.6 | 61.6 | 6116  | 91.9  | -       | 91.9       | 61.6                       |         | 91.9  | 9 91.9 | 6116  | 91.    | 6 61 6  | 91.9  |
| 1          |   | -    | 92.7 | 92.7 | 92.7  | 93.6  | 93.6    | 93.6       | 93.6                       | 93.6    |       | 93.6   |       |        | 93.6    | 93.6  |
| 1200       |   | -    | 4.86 | 4.86 |       | 36.5  | 99.5    | 99.2       | 99.2                       |         | 66    | 2 99.2 | 99.2  | 0      | 66 :    | 99.2  |
| 1          |   | -    | 4.86 | 98.4 | 99.21 | 00.00 | 100.00  | 0.001      | 100.0                      | 100.0   | 100.0 | 100.   | 100   | 100.   | 0100.0  | 100.0 |
|            |   | -    | 98.4 | 4.86 | 99.21 | 00.00 | 100.001 | 100.0      | 100.0                      | 100.0   | 100.0 | 0100.0 | 10000 | 100    | 0100.0  | 100.0 |
| N 800      |   | -    | 4.86 | 98.4 | 99.21 | 00.00 | 100.00  | 0.00       | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 100.0  | 100.0   | 100.0 |
|            |   | -    | 4.80 | 4.86 | 99.21 | 00.00 | 00001   | 0.001      | 100.0                      | 100.0   | 100.0 | -      | 2     | 100    | 0.0010  | 100.0 |
| 008        |   | -    | 98.4 | 4.86 | 99.21 | 00.00 | 10000   | 0.001      | 100.0                      | 10000   | 100.0 | 0100.0 | 100.0 | 100.0  | 100.0   | 100.0 |
| 98         |   | 91.6 | 4.86 | 4.86 | 99.21 | 00.00 | 0.001   | 0000       | 100.0                      | 100.0   | 100.0 | 0100.0 | 100.0 | 100.0  | 10000   | 100.0 |
|            |   |      | 4.86 | 4.86 | 99.21 | 00.00 | 100.00  | 0.001      | 100.0                      | 100.0   | 100.0 | 1000.0 | -     | 10000  | 10000   | 100.0 |
| 38         |   | 97.6 | 4.86 | 4.86 | 99.21 | 0000  | 100.0   | 0.001      | 100.0                      | 10000   | 100.0 | 0100.0 | 100.0 | 10010  | 10000   | 100.0 |
|            |   |      | 4.86 | 4.86 | 89.21 | 0000  | 0000    | 00.00      | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 1000   | 100.0   | 100.0 |
| 8          |   | 97.6 | 4.86 | 4.86 | 99.21 | 00.00 | 10000   | 00.00      | 100.0                      | 100.0   | 100   | 10000  | 100.0 | 100.0  | 10000   | 100.0 |
| - 1        |   |      | 4.86 | 98.4 | 99.21 | 00.00 | 100.00  | 00.00      | 100.0                      | 100.0   | 100.0 | 100.0  | 100.0 | 1000   | 100.0   | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1

# CEILING VERSUS VISIBILITY

|   |        |      |           | PERCE | ENTAGE<br>(FROM | FREQUE | UENC) | Y OF (      | PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) | RENCE   |         |         |         |         | HOURS (L | Į.    |
|---|--------|------|-----------|-------|-----------------|--------|-------|-------------|---|---------|---------|---------|---------|---------|----------|-------|
| Service Co.                             |        |      |           |       |                 |        | VISI  | BILITY (ST. | VISIBILITY (STATUTE MILES                                     | (S)     |         |         |         |         |          |       |
|   | 2<br>M | * AI | 20        | 7     | es<br>Al        | ≥ 2%   | 7 Al  | ۷۱<br>۶۲    | ¥1<br>%1  | -<br>AI | NI NI   | *       | Z AI    | ≥ 5/16  | AI       | ٨١    |
| NO CELUNG<br>2 30000                    |        | 65.9 |           | 9.00  | 65.9            | 62.0   | 65.9  | 62.9        | 65.9  | 62.0    | 62.9    | 62.9    | 62.9    | 62.9    | 62.9     | 65.9  |
| 0008; 2                                 |        | 79.8 | 6.0       |       |                 | 79.8   |       | 79.8        |   | 79.8    |         | 79.8    |         | 79.8    | 79.8     | 79.8  |
| 1 |        | 82.3 | 32.       | 82.3  | 1000            |        |       |             |   | 82.8    | 79.8    |         |         |         | 79.8     | 79.8  |
| 0000                                    |        | 87.9 |           |       | 87.9            | 837.9  | 87.9  | 87.9        | 87.9  | 87.9    | 88.7    |         | 87.9    | - 80    | 87.9     | 87.9  |
| 9000                                    |        | 91.1 |           | 91.1  | 91.16           | 91.1   | 91.16 | 91.1        | 91.1  | 91.1    | 91.1    | 91.1    | 91.1    | 91.1    | 91.1     | 91.1  |
| 0005<br>AI AI                           |        | 61.6 |           | 91.0  | 91.9            | 91.0   |       |             | 91.0  |         | 91.9    | 91.9    | 91.9    | 91.9    | 91.9     | 91.9  |
| 4141                                    |        | 92.7 |           | 24    | 23              | 92.7   | 24    | 92.7        | 24  | 92.7    | 2       | 94.4    | 92.7    | 92.7    | 92.7     | 92.7  |
| 3300                                    |        | 94.4 |           | 94.4  | 94.4            | 44.4   | 94.4  | 94.4        | 94.4  | 94.4    | 94.4    | 94.4    | 94.4    | 94.4    | 94.4     | 94.4  |
| 2 2500                                  |        | 95.2 |           | 95.2  | 95.2            | 95.2   | 95.2  | 95.2        | 95.2  | 95.2    | 95.2    | 95.2    | 95.2    | 95.2    | 95.2     | 95.2  |
| 71 71<br>0081<br>0081                   |        | 95.2 | 95.2      | 95.2  | 95.2            | N 180  | 95.2  |             |   | 50 50   | 95.2    | 95.2    |         | 95.2    |          | 95.2  |
| 1200                                    |        | 97.6 |           | 97.6  | 98.4            | 98.4   | 98.4  | 98.4        | 98.4  | 98.4    | 100.00  | 100.001 | 100.001 | 100.001 | 100.00   | 98.4  |
| 8 8<br>AI AI                            |        | 97.6 |           | 97.6  | 4.86            | 4.86   | 4.86  | 99.2        | 99.21   | 0.001   | 1000.0  | 100.001 | 100.00  | 10000   | 0.001    | 100.0 |
| VIVI<br>808                             |        | 97.6 |           | 97.6  | 48.4            | 98.4   | 98.4  | 99.2        |   | 1000.0  | 00      | 100.0   | 00      | 1000.0  | 100.00   | 100.0 |
| 98 4                                    |        | 97.6 |           | 97.6  | 4.86            | 4 8 6  | 4 4   | 99.2        | 99.21   | 1000.0  | 1000.0  | 1000.0  | 100.00  | 1000.0  | 100.0    | 10000 |
| 300                                     |        | 97.6 | Since and | 97.6  | 98.4            | 98.4   | 98.4  | 99.2        | 99.21   | 0.0     | 100.0   | 100.001 | 100.00  | 100.0   | 00       | 100.0 |
| 71 YI<br>8 o                            |        | 97.6 |           | 97.6  | 4.86            | 9 9 9  | 4.86  | 99.2        | 99.2  | 0.001   | 100.001 | 100.0   | 100.0   | 100.0   | 100.001  | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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| T              | 0         | 6.5        | 0 00 | 5.8  | 4.    | 0.6   |      | 1.1       | 6.2  | 6.   | 6.   | 8.7 | 8.7  | 2.7 | 0.3 | 1.1  | 2.7  | . 7    | 2.7 | 6.8  | 0.0  | 0.0   | 0.0      | 0.0   | 0.0  | 0.0      | 0.0   | 0.0      | 0.0  | 0.0      | 0.0   | 0.0   |
|----------------|-----------|------------|------|------|-------|-------|------|-----------|------|------|------|-----|------|-----|-----|------|------|--------|-----|------|------|-------|----------|-------|------|----------|-------|----------|------|----------|-------|-------|
|                | ٨١        | 5 56       | -    |      | -     |       | 8    | 1 8       |      | 8 6  |      |     |      |     |     |      | 6 1  |        | 1 9 | 0    | 0100 | 200   | 100      | ŏ     | 0100 | 0100     | 0100  | 010      | -    | 0100     | 010   | 200   |
|                | VI<br>N   | 56.        | 2    |      |       | •     | 84.  | 7.        | 87.  | -    | 87.  |     | 88.  |     |     | 91.  | 92.  |        |     | •    |      | 00    | 00       | 00    |      | 00       |       | :        | 0    | 100      | 00    | 1001  |
|                | 5/16      | 6.9        |      | 8    |       | 0.6   |      | 7.1       | 4.0  |      | 6.1  |     | 8.1  | 3.7 |     | 1.1  | 2.7  | 1.7    | 2.7 | •    | 0.01 | 10.0  | 0.01     | 60    | 200  | 0.01     |       | 0        |      | 0        | 0     | 0.01  |
|                | ۸۱        | 5 50       | -    | -    | -     | -     | 00   | 00        | 8    | 00   |      | 00  | 0    | 8   | 6   | 0    | 1 9  | 0      |     | 0    | 0100 | 10    | 10       | 10    | 0    | 10       | 10    | 2        | 10   | 010      | 10    | ŏ     |
|                | VI<br>%   | 56         | -    |      |       | 79.0  | *    | 1.        | 87.  | 1    | 87.  | 8   |      |     | 0   | -    | 2.   | 5.     |     | •    |      | 0     | 0        | 0     |      | 0        | 0     | 0        | 0    | 0        | 00    | 00    |
|                | *         | 6.9        | 2    |      | 7.    | 0.6   |      | 1.        | 1.9  | 1:   |      |     | 8.7  |     | 0.3 | 1.1  |      |        | 2.7 |      |      | 0     |          |       | 0.0  |          | 0.0   |          |      | 00.00    |       | 0.0   |
|                |           | 50         |      | 2    |       | 0     |      | 1 8       |      | 6    | 3    | 1 8 | 7    | 7   |     |      | 1 9  |        |     |      | 010  | -     | -        |       | 010  | 010      |       | -        | -    | -        | -     | 000   |
|                | ۸I        | 56.        |      | 1    | 77.   | 79.   | 84.  |           | 87.  |      |      |     | 88   |     | .06 | 91.  | 92.  |        | 92. |      | 100  | 100   | 100      | 100   | 100  | 100      | 100   | 100      | 100  | 100      | 100   | 100   |
|                | -         | 6.9        |      | 1 60 | 7.4   | 0.6   |      | -         | 7.   | -    |      | 8   | 0    | 8   | 0   | 1.1  |      | 2      | 2   | ;    |      | 0.0   | 0        |       |      | 0.00     | 0.00  | 0.00     | 0.0  | 0.0      | 0.00  |       |
| MILES)         | •         | 5          | 1    | 0 00 | 4     |       | 7 8  |           | 8    |      |      |     | 7    |     |     |      | 1 9  |        |     |      | 010  | -     | 010      | 010   | 010  | -        | 0100  | 010      | 010  | 010      | 010   | 010   |
| (STATUTE MILES | VI<br>7.  | 96         |      | 75   | 77    | 79.   | 84.  | 87.       | 87.  |      |      |     | 88   |     | 90. |      | 92,  |        | 92. |      | 10   | -     | 100      |       | ~    |          | -     | -        | -    | 100      | 100   | 100   |
| LITY (ST       | ۲۱<br>۱۲۶ | 56.5       |      | 75.8 | -     | 79.0  | *    |           | -    | 87.9 |      |     | 88.7 |     | 0   | -    | 92.7 | 2      |     |      |      | 00.00 | 00.00    |       |      | 00.0     | 0.00  | 00.00    |      | 00.00    | 00.00 | 00.00 |
| VISIBILITY     |           | 5          |      | 0 00 |       |       | -    |           | 6.   |      |      |     |      |     |     | -    |      | 1.     | 1.  |      | .01  | .01   | 0        | 3     | .01  | -        | 0     | 0        | 70   | 0        | 10.   | .01   |
|                | AI .      | 56         | -    | ט א  | -     | -     | 00   | 87        | 87   |      |      | 88  |      | 88  | 0   | 0    | 92   | 9      | 6   | 0    | 10   | 10    | 10       |       | ~    | 100      | -     | -        | -    | -        | 100   | 100   |
|                | 2 2%      | 56.5       |      | 200  | 77.4  | 0.61  | *    | -         | 87.9 | -    |      |     | 88.7 |     | 0   | 31.1 |      | 2.     |     | 9    | 0.00 | 0     |          | .0    | 0000 | 000      | 00.00 | 00.00    |      | 00.00    | 000   | 00.00 |
|                |           | 50         |      | 00   | 4     | 0     |      |           | 0.   |      |      |     |      |     |     |      | . 7. |        |     |      | .010 | .01   | .01      | .01   | .01  | 0.       | .010  | .01      | .01  | 0.       | .0    | 0.    |
|                | λĬ        | 56         | -    | 25   | 77    | 19    | 36   | 87        | 87   | 87   | 87   | 88  |      | 88  |     | 16   | 0    | 0      | 92  | 0    | 100  | 10    | 01       | 100   | 100  | 100      |       | 100      | 100  | 100      | 100   | 100   |
|                | 4         | 56.5       |      | 200  |       | 79.0  | 84.7 |           |      | 87.9 | 87.9 |     | 88.7 |     | 0   | 91.1 |      | 92.7   | 2   |      | 0.00 | 00.00 | 0000     | 00.00 | 0.00 | 0.00     | 0.00  | 0000     | 0.00 | 000      | 000   | 0.00  |
|                | 8         | 2          | 0 0  | 9 00 |       |       | .7   | 7.        | 0.   | 0.   | 6.   |     |      | 1.  | m.  | 7.   |      |        |     | 70   | 3    | 10    | 6        | 01    | 0    | 0        | 6     | 0        | 10   | 0        | 10.   | 50    |
|                | ٨١        | 5 56       | 0    | o or |       | -     | -    |           | *    | •    | -    |     | 7 8  |     |     |      | 4    |        |     |      | 0100 | 0100  | 010      | 0100  | 0100 | 0100     | 010   | 0100     | 010  | 010      | 010   | 010   |
|                | ۸۱        | 56.5       | 15.  |      | 77.   | 79.   | 84.  | 87.       | 67   | 87.  | 87.  |     | 88.  | 88. | -   |      | 92.  |        | -   |      | 100. | 100.  | 100.0100 | 100.  | 100. | 100.0100 | 100.  | 100.0100 | 100. | 100.0100 | 100.  | 100   |
|                | 5         |            |      |      |       |       |      |           |      |      |      |     |      |     |     |      |      |        |     |      |      |       |          |       |      |          |       |          |      |          |       |       |
| g              |           | S Z        | 3    | 88   | 8     | 8     | 8    | 8         | 8    | 8    | 2    | 8   | 8    | 8   | 8   | 8    | 8    | 8      | 8   | 8    | 8    | 8     | 8        | 008   | 8    | 9        | 8     | 400      | 8    | 200      | 901   | •     |
| CEILING        | (FEET     | NO CEILING | 1    | 1 4  | > 140 | 12000 |      | 000<br>AI |      | 7000 | 1    | 200 |      | 141 |     | 3000 | 1    | 1 2000 |     | 1500 |      | 71    |          | ۸I    |      | 141      |       | 4        |      | ١٨       |       | ΛI    |

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

TOTAL NUMBER OF OBSERVATIONS

124

# CEILING VERSUS VISIBILITY

| DEC   | MONTH        | HOURS(LST.)   |
|-------|--------------|---|
| 73=76 | YEARS        | PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) |
| MACA. | STATION NAME | PERCENTAGE FRE  |

| CEILING    |    |       |      |           |      |      | VISI | BILITY (ST. | VISIBILITY (STATUTE MILES) | (\$)  |       |         |       |       |        |       |       |
|------------|----|-------|------|-----------|------|------|------|-------------|----------------------------|-------|-------|---------|-------|-------|--------|-------|-------|
| (FEET)     | 71 | ٨١    | 8    | <b>AI</b> | 1 3  | ≥ 2% | 2 4  | ۲۱<br>۲۲    | ¥1 Y                       | 71    | ۸I    | #<br>Al | VI %  | Al    | 5/16   | 21    | ٥     |
| NO CEILING |    | 54.0  |      | 54.0      | 54.0 | 54.0 | 54.0 | 54.0        | 54.0                       | 54.0  | 54.   | 54.     | 0 54. | 0 54  | 0.     | 0.    | 54.0  |
| > 20000    |    | 76.6  |      | 76.6      | 76.6 | 76.6 | 76.6 | 76.6        | . 9                        | . 9   | 76.   | 6 76.   | 6 76. | 6 76  | 1      | 9.9   | 76.6  |
| N 18000    |    | 77.4  |      | 77.4      | 77.4 | 77.4 | 77.4 | 77.4        |                            |       | 77.   | 77.     | 4 77. | 1     | .4 7   | 4.7   | 77.4  |
| ≥ 16000    |    | 78.2  |      | 78.2      | 78.2 | 78.2 | 78.2 | 78.2        | 78.2                       | 78.2  | 78.   | 78.     | 2 78. | 2 78  | .2 7   | 8.2   | 78.2  |
| > 14000    |    | 79.0  |      | 79.0      | 79.0 | 79.0 | 79.0 | 79.0        | 79.0                       |       | 79.   | 0 79.   | 0 79. | 0 79  | .0 7   | 0.6   | 79.0  |
| > 12000    |    | 83.9  |      | 83.9      | 83.9 | 83.9 | 83.9 | 83.9        | 83.9                       | 83.9  | 83.   | 83.     | 9 83. | 9 83  | .9 8   | 9.9   | 83.9  |
| N 10000    |    |       | 89.5 | 89.5      | 89.5 | 89.5 | 89.5 | 89.5        | 89.5                       | •     | 89.   | 80      | 5 89. | 8     | .5 8   | 9.5   | 89.5  |
| 0006       |    | 89.8  | 89.5 | 89.5      |      | 89.5 |      | 89.5        | 89.8                       | 89.5  | 89.   | 5 89.   | 5 89. | 5 89  | .5 8   | 9.5   | 89.5  |
|            |    |       | 89.5 | 89.5      |      | 89.5 | 89.5 | 89.5        | 89.5                       | 89.5  | 89.   | 00      | 5 89. | 5 89  | .5 8   | 9.5   | 89.5  |
| 7000       |    | 89.5  | 89.5 | 89.5      |      | 89.5 | 89.5 | 89.8        | 89.5                       | 89.5  | 89.   | 00      | 5 89. | 5 89  | .5 8   | 9.5   | 89.5  |
|            |    |       | 89.5 | 89.5      | 89.5 | 89.5 | 89.5 | 89.5        | 89.5                       | 89.5  | 89.   | . 88    | 5 89. | 5 89  | .5 89  | 9.5   | 89.5  |
| 2000       |    |       | 90.3 | 90.3      |      | 90.3 | 90.3 | 90.3        | 90.3                       | 90.3  |       | .06     | € 80. | 3 90  |        | ~     | 90.3  |
| 1          |    | 90.3  | 90.3 | 80.3      | 90.3 | 80.3 | 90.3 | 90.3        | 90.3                       | 90.3  |       | € 60    | 3 90. | 3 90  | ·      | .3    | €.06  |
| 0004       |    | 90.3  | 90.3 | 90.3      | 90.3 | 0    | 90.3 | 90.3        | 90.3                       | 0     | 90.3  | .06 €   | € 80. | 3 90  | .3 90  | .3    | 90.3  |
|            |    | 90.3  | 90.3 | 90.3      | 90.3 | 90.3 | 90.3 | 90.3        | 90.3                       | 90.3  |       | 900     | 3 90. | 3 90  | .3 90  | .3    | 90.3  |
| 3000       |    | 90.3  | 90.3 | 90.3      | 90.3 | 0    | 90.3 | 90.3        | 90.3                       |       | 90.   | € 80.   | € 80. |       | ·      | . 3   | 90.3  |
|            |    | 91.9  | 61.6 | 91.9      | 61.9 | 91.9 | 91.9 | 91.9        | 91.9                       | 91.9  |       | .16     | 9 91. | 16 6  |        | 6.1   | 91.9  |
| > 2000     |    |       |      | 91.9      | 91.9 | 616  | 91.9 | 91.9        | 91.9                       | 91.9  | 91.9  | .16     | 9 91. | 16 6  | 6 6.   | 6.1   | 91.9  |
|            |    | 92.7  | 1    | 92.7      | 92.7 | 92.7 | 92.7 | 92.7        | 92.7                       | 92.7  | 92.   | 7 92.   | 7 92. | 7 92  | . 7 9. | 2.7   | 92.7  |
| > 1500     |    | 94.46 | 94.4 | 94.4      | 94.4 | 94.4 | 94.4 | 94.4        | 94.4                       | 94.46 | 94.   | . 94.   | 4 94. | 46 4  | .4 9.  | * . 4 | 94.4  |
|            |    | 98.4  | 98.4 | 99.2      | 2.66 | 99.2 | 2.66 | 99.5        | 2.66                       | 99.2  | 99.5  | . 66    | 2 99. | 66 2  | .2 9   | 9.2   | 99.2  |
| V 1000     |    | 98.4  | 98.4 | 99.2      | 99.2 | 99.2 | 2.66 | 100.0       | 100.0                      | 100.0 | 100.0 | 1001    | 0100. | 0100  | .010   | 0.01  | 00.00 |
| 0%         |    | 98.4  | 98.4 | 99.2      | 99.2 | 86.5 | 99.2 | 100.0       | 100.0                      | 100.0 | 1000  | 100     | 0100  | 0100  | .010   | 10.0  | 00.00 |
|            |    | 98.4  | 98.4 | 99.2      | 99.2 | 99.2 | 99.2 | 100.00      | 100.0                      | 100.0 | 100.0 | 1000    | 0100  | 0100  | .010   | 0.01  | 00.0  |
|            |    | 98.4  | 98.4 | 99.2      | 99.2 | 99.2 | 2.66 | 100.0       | 100.0                      | 100.0 | 100.0 | 1000    | 0100. | 0100  | .010   | 0.01  | 00.00 |
| 009        |    | 98.4  | 98.4 | 99.2      | 99.2 | 99.2 | 99.2 | 100.0       | 100.0                      | 100.0 | 100.0 | 100.    | 0100  | 0100  | .010   | 0.01  | 00.0  |
| 200        | 1  | 98.4  | 98.4 | 99.2      | 99.2 | 8.66 | 2.66 | 100.0       | 100.0                      | 100.0 | 100   | 0010    | 0100  | 0100  | .0100  | 50.   | 00.00 |
| 1 400      |    | 98.4  | 98.4 | 99.2      | 99.2 | 89.2 | 99.2 | 100.0       | 100.0                      | 100.0 | 100.  | 0100    | 0100. | 0100  | .0100  | 10.   | 00.00 |
| 300        |    | 98.4  | 98.4 | 99.2      | 99.2 | 99.2 | 2.66 | 100.0       | 100.0                      | 100.0 | 100   | 0100    | 0100  | 0100  | .0100  | 0     | 100.0 |
|            |    | 98.4  | 98.4 | 99.2      | 99.2 | 99.2 | 99.2 | 100.0       | 100.0                      | 100.0 | 100.  | 0100    | 0100  | 0100  | .0100  | 9     | 00.00 |
| 92         |    | 98.4  | 98.4 | 2.66      | 99.2 | 99.2 | 2    | 100.0       | 0.0010                     | 100.0 | 100   | 0100    | 0100  | 0100  | 00100  |       | 10001 |
|            |    | 98.4  | 98.4 | 99.2      | 99.2 | 99.2 | 99.2 | 100.0       | 100.0                      | 100.0 | 100.  | 1000    | 0100  | .0100 | 010    | 10.0  | 00.0  |

TOTAL NUMBER OF OBSERVATIONS

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### 2

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING    |      |         |       |       |         |        | >      | ISIBILITY (9 | VISIBILITY (STATUTE MILES) | ILES) |       |       |       |         |        |        |       |
|------------|------|---------|-------|-------|---------|--------|--------|--------------|----------------------------|-------|-------|-------|-------|---------|--------|--------|-------|
| (FEET)     | V 70 | 9<br>AI | \$ 1  | 4     | ε<br>Al | ≥ 2%   | ١٧ ٢   | 71           | Y1 71                      | ŽI.   | AI    | *     | *     | Z<br>Al | ≥ 5/16 | AI Z   | ٨١    |
| NO CEILING |      | 53.2    |       | 53.2  | 53.     | 53.    | 53.    | 53.          | 2 53.                      | 53    | .2 5  |       | 53.2  | 53.2    | 53.    | 53.    | 53.2  |
| > 20000    |      | 76.6    | 10.64 | 76.6  | 76.     | 6 76.6 |        | 6 76.0       | 76.                        | 6 76  | 6 76  | 5.6   | 9     | 76.6    | 76.    | 6 76.6 | 76.6  |
| ≥ 18000    |      | 77.4    | 77.4  | 77.4  | 77.     | 4 77.  | 177.   | . 77.        | . 77.                      | 77    | 77 4. | 1.4   | 17.4  | 77.4    | 77.    | 4 77.4 | 77.4  |
| ≥ 16000    |      | 77.4    |       | 77.4  | 77.     | 177.   | 4 77.4 | 4 77.        | 177.                       | 77    | 7 4.  | 7.4   | 17.4  | 77.4    | 77.    | 17.4   | 77.4  |
| > 14000    |      | 77.4    |       | 77.4  | 77.     | 4 77.  | 4 77.  | 4 77.        | 4 77.                      | 177   | .4 7  | 4.7   | 17.4  | 77.4    | 77.    | 17.4   | 77.4  |
| ≥ 12000    |      | 80.7    |       | 80.7  | 80.     | 7 80.7 | 7 80.  | 7 80.        | 7 80.                      | 7 80  | .7 80 | 7.0   | 80.7  | 80.7    | 80.    | 7 80.7 | 80.7  |
| N 10000    |      | 86.3    |       | 87.1  | 87.     |        | 1 87.  | 1 87.        | 1 87.                      | 1 87  | .1 87 | 7.1   | 87.1  | 87.1    | 87.    | 1 87.1 | 87.1  |
| 0006 ~     |      | 87.9    | 86.7  | 88.7  | 88.     | 7 88.  | 7 88.  | 7 88.        | 7 88.                      | 7 88  | .7 86 | 3.7   | 88.7  | 88.7    | 88.    | 7 88.7 | 88.7  |
|            |      | 87.9    | 88.7  | 88.7  | 88.     |        | 7 88.7 | 7 88.        |                            |       |       | 8.7 8 | 88.7  | 88.7    | 88.    |        | 88.7  |
| > 7000     |      | 87.9    | 88.7  | 88.7  | 88.     | 7 88.  | 7 88.7 | 7 88.        | 7 88.                      | 88 7  | 8     |       | 88.7  | 88.7    |        | 7 88.7 | 88.   |
|            |      | 87.9    | 88.7  | 88.7  | 88.     | 7 88.  | 7 88.  | 7 88.        | 7 88.                      | 88 7  |       | 1.    | 88.7  | 88.7    | 88.    | 7 88.7 | 88.7  |
| 0005       |      | 87.9    | 88.7  | 88.7  | .88     |        | 2000   | 7 88.        | 7 88.                      | 7 88  | .7 86 | 8.7   | 88.7  | 88.7    | . 88   | 7 88.7 |       |
|            |      | 87.9    | 88.7  | 88.7  | 88.     |        | 7 88.  | 7 88.        | 7 88.                      | 88 4  | .7 88 | .7    | 88.7  | 88.7    |        | 7 88.7 | 88.7  |
| 141        |      | 87.9    | 88.7  | 88.7  | 88.     | 7 88.  |        | 7 88.        | 7 88.                      |       | .7 86 | 1.    | 88.7  | 88.7    |        | 7 88.7 | 88.7  |
|            |      | 87.9    | 88.7  | 88.7  | 88.     | 7 88.  | 7 88.  | 7 88.        |                            |       | .7 86 |       | 88.7  | 88.7    |        | 7 88.7 | 88.7  |
| 3000       |      | 87.9    | 88.7  | 88.7  | 88.     | 7 88.  | 7 88.  | 7 88.        |                            |       | .7 88 | 1.    | 88.7  | 88.7    |        | 7 88.7 | 88.7  |
|            |      | 88.7    | 89.5  | 89.3  | 89.     | 5 89.  | 5 89.  | 5 89.        | 5 89.                      | 68 5  | .5 89 | 9.5   | 89.5  | 89.5    | 89.    | 5 89.5 |       |
| > 2000     |      | 89.5    | 6.06  | 90.3  | 0       | .06    | 0      | 3 90.        | € 90.                      | 9 90  | .3 9€ | 4     | 6.06  | 90.3    | 90.    |        | 90.3  |
|            |      | 91.1    | 6.16  | 91.9  | 91.     | 9 91.9 | 5.16 6 | 9 91.6       | 9 91.6                     | 16 6  | 0     | 0.    | 6116  | 6116    | 91.    |        | 91.9  |
| > 1500     |      | 96.8    | 97.6  | 97.6  | 97.     | 7.     | 97.6   | 5 97.        | 97.6                       | 16 5  | 6 9.  | •     | 91.6  | 97.6    | 97.    |        | 97.6  |
| > 1200     |      | 96 9.16 | 4.86  | 98.4  | .86     | .86    | 7.86 4 | 4 98.        | 4 98.                      |       | 16 4  | *     | 4.86  | 98.4    |        | 4 98.4 | 98.   |
| V 1000     |      | 98.4    | 99.5  | 99.2  | .66     | 6      | .66    | 2 99.        | 2 99.                      | 66 2  | 0     | .2    | 2.66  |         | •      | 0      | 99.2  |
| 06<br>AI   |      | 4.86    | 99.2  | 99.2  | .66     | 66     | 2 99.  | 2 99.        | 2 99.                      | 5 99  | .2 99 | 2.    | 2.66  | 99.2    | 6      | 2 99.2 | 99.2  |
|            |      | 89.2    | 100.0 | 100.0 | 100.    | 100.   | 100    | 100.         | 100                        | 0010  | .0100 | 0.    | 00.00 | 0.001   | 100.   | 100    | 100.0 |
|            |      | 99.2    | 100.0 | 100.0 | 100.    | 0100.0 | 0100.0 | 0100.        |                            | 0100  | .0100 | 0.010 | 00.00 | 0000    | 100.   | 0100.0 | 100.0 |
| 009 ~      |      | 99.2    | 100.0 | 100.0 | 100.    |        | 0100.0 | 0100.        | 0100.                      | -     | .0100 | .01   | 00.00 | .00.0   | 100.   | 3100.0 | 100.0 |
| 800        |      | 99.2    | 100.0 | 100.0 | 100     | 0100.0 | 0100   | 0100         | 0100                       | 0100  | .0100 | 0.010 | 00.01 | 0.001   | 100    | 0100.0 | 100.0 |
|            |      | 86.5    | 100.0 | 100.0 | 100.    | 0100.0 | 0100   | 0100.        | 0100.                      | 0010  | .0100 | 0.010 | 0     | 0.001   | 0      | 0100.0 | 100.0 |
| 300        |      | 99.2    | 100.0 | 100.0 | 100.    | 0100.0 | 0100.0 | 0100         | 0100.0                     | 0010  | .0100 | 0.016 | 0     |         | 1000   | 0100.0 | 100.0 |
|            |      | 89.2    | 100.0 | 100.0 | 100.    | 0100.0 | 0100.0 | 0100.        | 0100.                      | 0010  | .0100 | 0.010 | 00.00 | 0000    | 0      | 0100.0 | 100.0 |
| 8          |      | 2.66    | 100.0 | 100.0 | 100     | 0100.0 | 0100   | 0010         | 0100                       | 0010  | 0100  | 0.01  | 00.00 | 0000    | 100    | 0100   | 100.0 |
|            |      | 99.2    | 100.0 | 100.0 | 100.    | 0100.0 | 0010   | 0010         | 0100.                      | 0010  | 0010  | .0    | 00.00 | 0000    | 100.   | 0010   | 100.0 |

1 9 HOURS (L S T.)

DEC

= 0

**CEILING VERSUS VISIBILITY** 

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AGANA, GUAM

| CEILING    |     |         |         |            |         |        | VISI    | BILITY (ST. | VISIBILITY (STATUTE MILES) | (53)   |        |       |        |        |         |        |
|------------|-----|---------|---------|------------|---------|--------|---------|-------------|----------------------------|--------|--------|-------|--------|--------|---------|--------|
| (FEET)     | 5 1 | ۸۱      | \$ 41   | 4          | N AI    | 2 2%   | 2 4     | ¥1 ¥1       | 71                         | -      | A)     | *     | AI N   | ≥ 5/16 | NI N    | ٨١     |
| NO CEILING |     | 62.9    | 65.9    | 62.9       | 62.9    | 62.9   | 65.6    | 65.9        | 65.9                       | 65.0   | 65.9   | 65.9  | 65.9   | 65.0   | 65.9    | 65.9   |
| > 20000    |     | 78.2    |         | 78.2       |         | 1      |         |             | 78.2                       | 78.2   | 78.2   | 78.2  | 78.2   |        | 78.2    | 78.2   |
| N 18000    |     | 78.2    | 78.     | 78.2       | 78.2    | 78.    | 78.2    | 78.2        | 78.2                       | 78.2   | 78.2   | 78.2  |        | 78.2   | 78.2    | 78.2   |
| N 16000    |     | 78.2    | 78.     | 78.2       | 78.2    | 78.2   | 78.2    | 78.2        | 78.2                       | 78.2   | 78.2   | 78.2  | 78.2   | 78.2   | 78.2    | 78.2   |
| > 14000    |     | 79.0    | 79.     | 79.0       | 79.0    | 79.    | 79.0    | 79.0        | 79.0                       | 79.0   | 79.0   | 79.0  | 79.0   | 79.0   | 79.0    | 79.0   |
| ≥ 12000    |     | 86.3    | 86.     | 86.3       | 86.3    | 00     |         | 86.3        | 86.3                       | 86.3   | 86.3   | 86.3  | 86.3   | 86.3   | 86.3    | 86.3   |
|            |     | 91.9    |         | 91.9       | 616     | 91.    | 6116    | 616         | 91.9                       | 91.9   | 616    | 6116  | -      | -      | 91.9    | 91.9   |
| 0006 AI    |     | 92.7    | 92.     | 92.7       | 2.      | 92.    | 92.7    | 92.7        | 92.7                       | 92.7   |        | 92.7  | 92.7   | 92.7   | 92.7    | 92.7   |
|            |     | 96.0    |         | 96.0       | 96.0    | 0      | 0.96    | 96.0        | 0.96                       | 96.0   | 96.0   | 96.0  | 6.     | 96.0   | 96.0    | 96.0   |
| > 7000     |     | 96.0    | 96      | 96.0       | 96      | 96.    |         | 96.0        | -                          | 96.0   | -      | 0.96  | 96.0   |        |         | 96.0   |
|            |     | 96.0    |         | 96.0       | 96.0    |        | 0.96    | 0.96        | 96.0                       | 96.0   | 96.0   | 0.96  |        | 96.0   | 96.0    | 0.96   |
| 0000 1     |     | 96.0    | 96      | 96.0       |         | 96.    |         |             |                            |        |        | 0.96  | 96.0   |        | 96.0    | 96.0   |
|            |     | 96.0    | 0.96    | 96.0       | 96      |        | 0.96    | 96.0        | . 9                        | 9      | .9     | . 9   | .0     | 0      | 96.0    | 0.96   |
| V 4000     |     | 96.8    | ;       | 96.8       | 0       | 96.    |         | 96.8        |                            |        | 96.8   | 96.8  |        | 96.8   |         | 96.8   |
|            |     | 96.8    | 96.8    | 96.8       | 96.8    | 96.8   |         | 96.8        |                            | 96.8   | 8.96   |       | 8.96   |        | 96.8    | 96.8   |
| > 3000     |     | 97.6    | 97.6    | 97.6       | 97.6    | 0      | 97.6    | 97.6        |                            | 97.6   | 97.6   | 97.6  |        | 97.6   | 97.6    | 97.6   |
| > 2500     |     | -       | 97.6    | 97.6       | 97.6    | 6      | 91.6    | 97.6        | 97.6                       | 97.6   | 97.6   | 91.6  | 7.     | 97.6   | 97.6    | 97.0   |
| > 2000     |     | 97.6    | -       | 97.6       | 97.6    | 97.6   | 97.6    | 97.6        | 97.6                       | 97.6   | 97.6   | 97.6  |        | 97.6   | 97.6    | 97.6   |
| V 1800     |     |         |         | 97.6       | 97.6    | 97.6   | 91.6    | 97.6        | 97.6                       | 97.6   | 97.6   | 97.6  | 97.6   | 97.6   | 97.6    | 97.6   |
| > 1500     |     | 97.6    | 97.6    | 97.6       | 97.6    | 97.6   | 91.6    | 97.6        | 97.6                       | 97.6   | 97.6   | 97.6  | 97.6   | 97.6   | 97.6    | 97.6   |
| 1200       |     | 86.2    | -       | 100.0      | 100.0   | 100.0  | 100.001 | 100.0       | 100.001                    | 0000   | 100.0  | -     | 100.0  | 100.0  | 100.001 | 0000   |
| VI<br>000  |     | 99.2    | 100.001 | 100.00     | 100.0   | 100.0  | -       | 100.00      | 100.001                    | 0000   | 100.0  | 100.0 | 100.0  | 10000  | 100.0   | 0000   |
| &<br>AI    |     | 99.2100 |         | .00        | 100     | 0100.0 | 0100.0  | 100.00      | 0.0010                     | 0100.0 | 100.0  | -     | -      | 100.0  | 100.001 | 0.0010 |
|            |     | 99.2    |         | 100.0      | 100.0   | 0100.0 | 100.0   | 100.0       | 100                        | 0100.0 | 100.0  | 10000 | 100.0  | 100.   | 0100.0  | 0100.0 |
|            |     | 99.2    | 0.      | 100.0      | 100     |        | 0100.0  | 100.00      | 100                        | 0100.0 | 100.0  | 100.0 | 100.0  | 100.   | 0.0010  | 0100.0 |
| 09<br>AI   |     | 99.2100 |         | 100.00100. | 100.0   | 100.0  | 0       | 100.0       | 100                        | 0100.0 | 100.0  | 100.0 | 100.0  | 100    | 0100.0  | 0100.0 |
| 88         |     | 2.66    | 0.      | 100.0      | 100.0   | 1001   | 0100.0  |             | 0.0010                     | 100.0  | 100.0  | 10000 | 100.0  | 0.0    | 100     | 0100.0 |
| 004        |     | 99.2    | .0      | 100.0      | 0.0010. | 100.0  | 100.0   | 100.0       | 0100.0                     | 100.0  | 100.0  | 10000 | 100.0  | 100.   | 0100.0  | 0100.0 |
| 38         |     | 99.2    | .2100.0 | 0.         | 100.0   | 100    | 0100.0  | 100         | •                          | 0.0    | 0.     | 10000 | 0      | 10000  | 0.0     | 100.0  |
|            |     |         | 0       | 100.0      | 100.0   | 100.0  | 100.0   | 100.0       | 0100.0                     | 100.0  | 100.0  | 10000 | 100.0  | 10000  | 100.0   | 100.0  |
| VI<br>8    |     | 2.66    | .0      | 100.0      | 100.0   | 100.0  | 100.001 |             |                            | 100    | 0      | 100   | 0      | 100    | •       | 100.0  |
|            |     | 89.2    | .0      | 100        | .0100.0 | 100.0  | 100.0   | 0100.0      | .0100.0                    | 0100.0 | 0100.0 | 100   | 0.0010 | 100    | .0100.0 | 100.0  |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

0

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY ORSERVATIONS) STATION NAME

22 HOURS (1.5.T.)

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|---------------------------|--|------------|-------|-----|-------|-----|-------|------|------|------|-----|-----|--------|-------|------|------|-------|-----|------|-----|------|-----|------|----------|-----|---------|-------|-----|-----|-----|-----|----|----|
|                           | ٨١                                     | .0         | 3     | 3   | 3     | 3.  | ;     | 6    | :    | 2.   | 2.  | 2.  | 2      | 2.    | 3    | 3.   | 3.    | 3   | 3    | 3   | 5    | 8   |      | 0        | 0   | 0       | 0     | 0   | 6   | 0   | ò   | ò  | 0  |
|                           |  |            | 00    | 8   | 8     | 8   | 30    | 20   | _    |      | 0   | 0   |        | 0     | 0    | 6    |       | 0   | _    | 0   |      | 0   | 2    | 01       | -   | 2       | -     | 2   | 2   | -   | 2   | 2  | 2  |
|                           | *                                      | .5         |       |     | -     | -   | .3    |      | .9   | 7    |     |     |        |       |      | •    |       | .6  |      |     | .2   |     |      |          | .0  |         |       |     |     |     |     | 0  | 9  |
|                           | Ai                                     |            |       | 83  |       | 83  | 86    | 89   | 9    |      |     |     |        |       |      | 93   |       |     |      | 8   |      |     |      | 0        | 100 | 8       |       | 8   |     | 8   | 8   | 8  | 9  |
|                           | 2                                      | 8          | -     | 7   | -     | -   | 6     | 5    | 0    | 1    | -   |     | -      | -     | 0    |      | 0     | 0   |      | 0   | ~    | *   | 9    |          | 0   | 0       | 0     | 0   | 0   | 0   | 0   | 9  | 0  |
|                           | \ \ \                                  |            |       |     |       | 83  |       | 68   |      |      |     |     |        |       |      | 93   |       | 66  |      | 63  |      |     | 00   |          | 00  | 00      | 8     | 00  |     | 8   | 00  | 8  | 8  |
|                           | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |            |       |     |       |     |       |      |      |      |     |     |        |       |      | •    |       |     |      |     |      |     | 3    | -        | 3   | -       | 3     | -   | -   | -   | -   |    | 5  |
|                           | 25                                     |            |       | 3.  |       |     | ;     | 6    |      | 2.   | 3   | 2.  | 2      | 2     |      | 3.   | 3     | 3   |      | 3   | 5    | 8   | 0    | 0        | 0   |         |       |     |     |     |     | 0  | 0  |
|                           |  |            |       |     | 80    |     |       |      |      |      |     |     |        |       |      | 0    |       |     |      | 3   |      |     | -    | -        | -   |         | -     | 100 | -   | 2   | -   | -  | 2  |
|                           | *                                      |            | 1.1   |     | :     |     |       |      |      |      |     |     |        |       |      | 3.6  |       |     |      |     |      |     | 0.0  | •        | 0.0 |         | - 170 | 0.0 |     | 0.0 |     |    |    |
|                           | AI                                     |            |       | 80  |       |     | 8     | 8    |      |      |     |     |        |       |      | 6    |       |     |      | 6   |      | 6   | 9    | 0        | 100 | 100     | 0     | ĕ   |     | 001 | 0   | -  | ğ  |
|                           | *                                      | 3          | 7     | ~   | -     | ~   | 3     | S    | 0    | 1.   |     | 1.  | 1.     | 1     | 0    | 9.   | 0     | 0   | •    | •   | .2   | *   | 0    | 1000     | 0   | ACTION. |       | 0   | 0   | 0   | 0   | 0  | 0  |
|                           | AI                                     |            |       |     |       | 83  |       |      |      |      |     |     |        |       |      | 66   |       |     |      |     |      |     |      |          | 8   |         |       | 00  |     | 8   |     | 8  |    |
|                           |  | 8          | -     | -   | -     | -   | •     | 5    | 6    | -    | -   | ~   | -      | -     | •    | •    |       |     | •    |     | *    |     | 2    |          | 2   | 2       | 2     | 7   | 2   | 2   | 2   | 2  | 2  |
|                           | AI                                     | 0.000      | -     |     | 100   | 1   |       | 0    |      |      | -   | 2.  | 4600   | 1000  | 200  |      | 73.17 | 3.  |      |     |      | 1   | -    | 100      | -   |         |       |     |     |     | - 1 | 6  | _  |
| (S3)                      |  |            |       | 00  |       |     | 80    | 30   |      | 6    |     | 6 1 |        |       | 0    |      |       |     |      | 0   |      | 0   | 0    |          | 6   | 6       |       | 0   |     | 8   | 6   | 2  | 6  |
| E M                       | 7                                      |            | 3.1   | 3.1 | 3.1   | 3.  | 6.3   | •    | 1.9  |      |     | 2.7 |        |       |      | 3.6  | 9.6   |     |      | 3.6 |      |     |      |          |     |         |       |     |     |     |     | •  |    |
| ATG                       | AI                                     |            |       | 00  |       | 20  | *     | 8    |      | 6    | 0   | 6   | 0      | 6     | 0    | 0    | 0     | 0   | 0    | 0   | 5    | ò   | ŏ    | ŏ        | ŏ   | ŏ       | ŏ     | ŏ   | ŏ   | ŏ   | ŏ   | ŏ  | ŏ  |
| VISIBILITY (STATUTE MILES | 7.                                     |            | -     | 7.  | -     | .1  |       |      | 0.   | . 7  | . 7 | . 7 | 1.     | . 7   |      | 9.   | 0     | 0   |      |     | 4.   | 4   | ~    | ~        | 2   | 2.      | ~     | 2   | ~   | .2  | ~   | ~  | 2  |
| HELT                      | AI                                     |            | 83    | 83  | 83    | 83  | 86    | 8    | 16   |      |     | 26  |        |       |      | 66   |       |     |      | 93  |      |     |      | 66       |     | 66      |       | 66  |     |     |     | 66 |    |
| VISIE                     |  | 10         | -     | -   | -     | -   | 10    | 100  | 0    | 1    | -   | 1   | ~      | -     | •    | .0   | 0     |     |      | 0   | 4    |     | ~    |          |     |         | N     | N   | N   | N   | N   | N  | N  |
|                           | AI AI                                  |            | 33    | 83  | 33    | 33. | 86.   | 6    |      |      |     | 3.  |        |       | 3    | 63   |       |     | -    | 0   |      |     |      |          | 0   | .66     |       |     | 66  | 66  | 6   | 66 |    |
|                           |  | 5          |       | _   | -     |     |       |      |      |      |     |     |        |       |      | 9    |       |     |      |     | - 31 | 1   |      | Tanana a |     |         |       |     |     |     |     |    |    |
|                           | 2%                                     |            | •     | 3   | 3.    |     |       | 6    |      |      |     |     |        |       |      | 3.   |       |     |      |     | •    |     |      |          |     |         |       |     |     |     | 6   |    |    |
|                           | Al                                     | 2          | 3     | 130 | 20    | 00  |       |      |      | 0    | 0   | 0   | 0      | 6     | 0    | 6    | 0     | 0   |      | 6   |      | 0   | •    | 0        | 0   | 0       | 0     | 0   | 0   | 0   | 0   | 0  | 0  |
|                           |  | .5         |       |     | -     | .1  |       |      |      |      |     |     |        |       |      |      | •     |     |      |     | 4    |     |      |          |     |         |       |     |     | .2  |     | 2  | •  |
|                           | AI                                     |            | 83    | 83  | 8     | 83  |       | 89   |      |      |     |     |        |       |      | 93   |       |     |      |     |      |     |      |          |     |         |       |     |     | 66  | 6   | 6  |    |
|                           |  | 5          | -     | -   | 7     | -   | 3     | 10   | 6    |      |     |     | -      | -     | •    |      |       | 0   |      |     | •    | O   | -    |          | •   | -       | 0     | •   | 0   |     | 0   |    | 0  |
|                           | AI                                     |            | 83    | 83  | 83    | 83  | 86.   | 68   | -    | 200  | 92  | 92  | 92     | 0.000 |      |      | -     | 3   | •    | 93  |      |     |      |          |     | 16      |       | 16  |     | 26  | 6   | 6  |    |
|                           |  | 5          | -     | -   | -     |     |       | 2    |      |      |     | -   |        |       |      | 79   | .0    |     | 0    |     |      |     |      |          |     |         |       | 7   |     |     | 00  |    |    |
|                           | ۰۵<br>۸۱                               | 0          | 3.    |     | 3     |     |       |      |      |      |     |     |        |       |      | 93.  |       |     | *    | 3   |      |     |      |          |     |         |       |     |     |     |     |    | •  |
|                           |  | 10.5       |       |     |       |     |       | 00   | ALC: |      |     |     | Libert |       |      | 0    | 0     | 0   | 0    | 0   | 0    |     |      |          |     | 2.5     |       |     |     |     | 100 |    |    |
|                           |  |            | 2.1   |     | 2.3   | 2.3 | 5.5   | :    | 1.1  | 1.9  |     |     |        |       |      | 1.1  |       |     |      |     | :    |     |      |          |     |         |       |     | 5.2 |     | 3.2 |    |    |
|                           | ٨١                                     |            |       | 00  |       |     | 8     |      |      | 0    | 0   | 6   | 6      | 6     | 6    | 92   | 6     | 6   | 0    | 6   | 6    | 6   | 6    | 6        | 6   | 6       | 0     | 0   |     |     | 3   |    |    |
|                           |  |            |       |     |       |     |       |      | -    |      |     |     |        |       |      |      |       |     |      |     |      |     |      |          |     |         |       |     |     |     |     |    | 1  |
|                           | 71                                     |            |       |     |       |     |       |      |      |      |     |     |        |       |      |      |       |     |      |     |      |     |      |          |     |         |       |     |     |     |     |    |    |
|                           |  | 0          | 1     | -   |       | -   | _     | -    |      |      | _   | -   | -      | -     | -    |      |       | -   | -    |     |      |     | -    |          | -   | _       |       |     | -   | -   | -   | _  | -  |
| CEILING                   | E                                      | Z          | 20000 | 8   | 16000 | 8   | 12000 | 0000 | 8    | 8000 | 90  | 8   | 2000   | 200   | 4000 | 3500 | 00    | 200 | 2000 | 8   | 1500 | 200 | 1000 | 8        | 8   | 8       | 8     | 8   | 8   | 38  | 8   | 8  | 0  |
| GE                        | E                                      | NO CEILING | 7     |     | 41    | A   | 7     |      | ٨١   |      | 1   |     | AI     |       | AI   | 1    | N AI  |     | 7    | 1   |      |     | ۸۱   | ٨١       | ٨١  | ٨١      | AI    | AI  | AI  | AI  | AI  | AI | ٨١ |
|                           |  | Ž          |       |     |       |     |       |      |      |      |     |     |        |       |      |      |       |     |      |     |      |     |      |          |     |         |       |     |     |     |     |    |    |

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERVCOM

0

0

AGANA, GUAM

.

## CEILING VERSUS VISIBILITY

| <b>"</b>                           |                            |
|------------------------------------|----------------------------|
| PERCENTAGE FREQUENCY OF OCCURRENCE | NO                         |
| 200                                | VEROM HOLIDIY ORGEDVATIONS |
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|                                    | (ED                        |

| CEILING    |   |         |          |      |      |      | VISIA | BILITY (ST. | VISIBILITY (STATUTE MILES) | (\$) |      |       |         |        |        |       |
|------------|---|---------|----------|------|------|------|-------|-------------|----------------------------|------|------|-------|---------|--------|--------|-------|
| (FEET)     | 2 | ٥<br>٨١ | S)<br>Al | 4    | N AI | > 2% | 1 2   | 71 71 72    | 71                         | -    | ۸I   | *     | Z<br>IA | 2 5/16 | VI 3   | ٨١    |
| NO CEILING |   |         |          | 59.5 | 59.5 | 59.5 | 6     |             | 59.8                       |      | 6    |       | 59.5    |        | 59.    | 59.5  |
| > 20000    |   |         |          |      | 78.7 | 78.7 |       | 78.7        | 78.7                       | 78.7 | 78.7 | 78.7  | 78.7    | 8      | 78.    | 78.7  |
| 18000      |   | 78.8    | 78.9     | 78.9 | 78.9 | 78.9 | 78.9  | 78.9        | 78.9                       | 78.9 | 78.9 | 78.9  | 78.9    | •      | 6 18 6 | 78.9  |
| 2000       |   |         |          | •    |      |      | 3     | •           |                            | •    |      |       |         |        | 79.    | 79.0  |
| 2 14000    |   | 79.4    |          | •    |      | 79.5 | 6     |             | 79.5                       | 79.5 | 79.5 |       |         | 79.    | 79.    | 79.5  |
| > 12000    |   |         |          | 63.2 | 83.2 | •    | 83.2  | 83.2        | 83.2                       | 83.2 |      |       | 83.2    |        | 2 83.2 | 83.2  |
| ≥ 10000    |   | 88.0    | 88       | 88.  |      |      |       |             |                            |      |      |       |         | 8      |        | 88.2  |
| 0006 ×     |   | 89.4    | 89       | 89.6 | 89.6 | 89.6 | 89.6  | 89.6        | 89.6                       | 89.6 |      |       | 89.6    | 89.    | 89.    | 89.6  |
|            |   | 90.7    | 90       | 90.  |      | 0    |       | •           |                            | .0   |      | 0     | 0       |        | 90.    | 90.9  |
| 7000       |   | 90.8    | 91.0     |      | 91.0 | 91.0 | 91.0  | -           | 91.0                       | 91.0 | 91.0 | 91.0  | 91.0    | -      | 0 91.0 | 91.0  |
|            |   | 90.8    | 16       | 91.  |      | 1:   |       | 91.0        | 91.0                       |      | -    | 0     |         | :      | 91.    | 91.0  |
| 2000       |   | 91.1    |          | 91.3 | 91.3 | 61.3 |       | 91.3        | 91.3                       | 91.3 | 91.3 | 91.   | 91.3    | 91.    | 3 91.3 | 91.3  |
|            |   | 91.2    | 91.      | :    | :    | :    |       | -           | -                          | -    | :    | 91.   | -       | -      | 91.    |       |
| 4000       |   | 91.6    | 91.      | 91.8 | 91.8 | 91.8 | 91.8  | 91.8        | 91.8                       | 91.8 | 91.6 |       |         |        | 9 91.8 | 91.8  |
|            |   | 91.8    | 92.      |      | 2.   | 2    | 2.    | 92.0        | 92.0                       | 2.   | 3    | 92.0  | 92.0    | 2      | 92.    | 92.0  |
| > 3000     |   | 92.1    | 92.      | 92.3 | 92.3 | 92.3 | 92.3  |             | 92.3                       | 92.3 | 92.3 |       | 2.      |        | 3 92.3 | 92.3  |
| > 2500     |   | 95.6    |          |      | 95.8 | 92.8 |       |             | 2                          |      | 92.8 |       | 95.8    |        |        | 92.8  |
|            |   | 92.9    | 93.      |      | 3    | 3.   |       |             | 93.3                       | 93.3 | 3    |       | *       |        |        | 93.3  |
|            |   | 93.3    | 93.      | 3.   | 3.   |      |       |             |                            | 3    | •    |       |         | 30     | 93.6   | 93.6  |
| > 1500     |   |         | -        | 95.5 | 95.5 | 3    | 95.6  | 95.6        | •                          | 95.6 | 3    | 95.7  | 95.7    | 95.    | 95.    |       |
| > 1200     |   |         | -        | 98.3 |      | 8.86 |       | 8.86        |                            | 98.8 | 98.9 | 98.9  | 98.9    | •      |        | 98.9  |
| V 1000     |   |         | -        | 7.86 | 99.2 | 6    | 66.3  |             | 99.5                       | 9.66 | 99.7 | 99.7  | 99.7    |        | 7 99.7 | 99.7  |
| 8<br>Al    |   | 97.8    | -        |      | 89.5 | 66.3 | 66.3  | 99.5        | 99.5                       | 9.66 | 99.7 | 4.66  | 99.7    | . 66   | 1 99.7 | 99.7  |
|            |   |         | _        | 98.8 | 66.3 | 4.66 | 99.5  | 99.7        | 49.7                       | 8.66 | •    |       | 100.0   | 100.0  | 0.0010 | 100.0 |
| 700        |   | 97.9    | -        | 98.8 |      | 4.66 | 6.66  | 99.7        | 7.66                       | 8.66 | 6.66 | 6.66  | 100.0   | 100.0  | 1100.0 | 1000  |
| 009<br>AI  |   |         | 98.6     | 98.8 | 66.3 | 4.66 |       | 4.66        | 7.66                       | 8.66 | 6    | 6.66  | 10001   | 100.   | 1100.0 | 100.0 |
| 008        |   | 97.9    | -        | 98.8 | 66.3 |      | 8.66  | 4.66        | 4.66                       | 8.66 | 6    | 6.66  | 100.0   | •      | 0.0010 | 100.0 |
|            |   |         | 98.0     | 8.86 | 86.3 | 4.66 | 99.5  | 49.7        | 99.7                       | 8.66 |      | 6.66  | 100.0   | 1000   | 10000  | 100.0 |
| 300        |   | 97.9    | 98.6     | 8.86 |      | 4.66 | 6     | 7.66        |                            | 8.66 | 6.66 | 6.66  | 100.0   | 1000   |        | 100.0 |
|            |   | 97.9    | _        | •    | 66.3 |      | 99.5  | 4.66        | 49.7                       | •    |      | 6.66  | 100.0   | 0      | 1000.0 | 100.0 |
| 8          |   |         | 98.6     | 98.8 |      | 4.66 | 99.3  | 46.1        | 49.7                       | 8.66 |      | 6.66  | 100.0   | 100.   | 0100.0 | 100.0 |
|            |   | 97.9    | -        | 98.8 | 66.3 | 4.66 | 99.5  | 7.66        | 4.66                       | 8.66 | 6.66 | 66.66 | 100.0   | 100.   | 0100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

40

1

CEILING VERSUS VISIBILITY JAN 68

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING VERSUS VISIBILITY

HOURS (LST

....

| CEILING    |   |          |          |      |       |      | VIS   | VISIBILITY (STATUTE MILES) | ATUTE MILI | £S)  |         |         |      |        |       |       |
|------------|---|----------|----------|------|-------|------|-------|----------------------------|------------|------|---------|---------|------|--------|-------|-------|
| (FEET)     | 2 | <b>9</b> | ۶۰<br>۸۱ | 7,1  | E VI  | ≥ 2% | N N   | ۷۱<br>۲۰                   | VI<br>2/1  | - AI | ¾<br>Al | #<br>∧I | Z AI | ≥ 5/16 | AI    | ٨١    |
| NO CEILING |   | 50.4     | 50.4     | 50.4 | 50.4  | 50.4 | 50.4  | 50.4                       | 50.4       | 50.4 | 50.4    | 50.4    | 50.4 | 50.4   | 50.4  | 50.4  |
| V 18000    |   | 68.6     |          | 60   | 8     | 00   |       |                            | 00         | 8    |         |         | 8    | •      | 68.6  |       |
| N 16000    |   | 68.8     | 68.89    |      | 68.89 | 68.8 | 68.89 |                            |            | 68.8 | 68.8    |         |      | 68.8   | 68.8  | 68.8  |
| ≥ 14000    |   | 70.0     | •        |      |       | 70.1 |       | 70.1                       | 0          | 70.1 | 70.1    |         | 0    | •      |       | 70.1  |
|            |   |          |          | 74.3 |       |      | 74.3  | 74.3                       |            |      | +       |         | *    | •      |       | 74.3  |
| ≥ 10000    |   | 80.7     | 80.8     |      | 80.8  | •    |       | 0                          | 0          | .0   | 0       | .0      | 0    |        |       |       |
| 0006 ×     |   | 82.4     | 2.       | 82.6 | 2.    | 2.   |       | 2.                         | 2          | 2    | 2.      | 2.      | 2    | 2.     |       | 82.6  |
|            |   | 84.6     |          | . 4  |       |      |       |                            |            | *    |         | . 4     | *    | *      |       |       |
| 7000       |   | 84.8     | 5        | 85.0 |       | 5    |       |                            | 3          |      | 3       |         | 2    | 5      |       | 85.0  |
| 1          |   | 85.0     | 3        |      | 85.1  | 85.1 | 85.2  | 85.2                       | 85.2       | 85.2 | 85.2    | 85.2    | 85.2 | 85.2   | 85.2  | 85.2  |
| 0005       |   | 35.4     | 5        | 85.6 | 3     | 3    |       |                            | 5          | 5    | 3       | 3       |      | 3.     |       | 85.6  |
|            |   | 85.7     | 85.8     |      |       | 85.9 |       | 5                          | 5.         |      | 3       | 3       | 5    |        |       |       |
| 141        |   | 86.7     |          | -    | 87.0  | -    |       | 7                          | -          | 87.0 | -       | -       | -    | -      |       | 87.0  |
|            |   |          | 1.       |      | 2     |      |       | -                          |            | -    | 7.      |         | -    |        |       | 87.7  |
| 3000       |   | 88.9     |          |      |       | 6    |       |                            |            |      | 6       | 6       | 6    | 6      | 89.3  | 89.3  |
| > 2500     |   | 89.5     | 6        | 86.8 | 89.9  | 6.68 | 6.68  | 89.9                       | 6.68       | 6    | 6       | 89.9    | 6    |        |       | 89.9  |
| > 2000     |   |          | 90.2     | 0    | 0     | 0    |       | 0                          |            | 0    | 0       | 0       | 0    | ċ      |       | 90.4  |
| > 1800     |   | 90.3     |          |      | 0     |      |       | 8.06                       |            |      | 8.06    | 8006    | 9006 | 0      |       | 90.8  |
|            |   | 93.1     | 93.5     |      | 3.    | -    | 93.8  | 3.                         | 93.8       |      | 3       |         | 3    | 3      | 93.8  | 93.8  |
|            |   | 1.96     | 96.8     | 97.0 | 7.    |      |       | 97.3                       |            |      | 67.3    | 97.3    | 7.   |        |       |       |
| N 1000     |   | 2.16     | 2.86     |      | 8     | *    | 0.66  |                            | 0.66       |      | 1.66    |         | 6    | 6      | 99.1  | 99.1  |
| 08<br>Al   |   | 6.76     | 98.2     | 98.6 | 8     |      |       | 1.66                       |            | 99.1 | 1.66    | 1.66    | 6    | 2.66   |       | 99.2  |
|            |   | 97.4     | 4.86     |      | 6     | 6    |       |                            |            |      | 6       |         | 6    | 6      |       | 99.6  |
|            |   | 97.4     | 4.86     | 98.9 | 6     |      | 4.66  | 99.5                       |            | 66.5 | 6       | 66.6    | 6    |        |       | 99.6  |
| 009        |   | 97.5     | 8.       |      | 6     | 6    | 99.5  | 96.6                       |            | 6    | 6       | 49.7    | 6    | 6      | 1.66  | 49.7  |
| 200        |   | 97.5     | 98.5     | 0.66 |       | 6    |       | 99.7                       | 4.66       |      | 1.66    | 4.66    |      | •      | 8.66  | 99.8  |
| 1 400      |   | 97.5     | 8.       | 0.66 |       | 66.5 | 9.66  | 99.7                       |            |      | 99.8    | 8.66    | 6    | 6      |       | 66.66 |
| 300        |   | 97.5     | 8.       | 0.66 | 4.66  | 6    |       |                            | 6          |      | 6       | 8.66    | 6    | 6.66   | 6.66  | 66.66 |
| 1 200      |   | 97.3     | 98.6     | 0.66 | 4.66  | 66.5 | 66.1  | 99.8                       | 6          | 99.8 | 6       | 9.      | 6.66 |        | 6.66  | 100.0 |
| 81         |   | 97.5     |          | 0.66 | 4.66  | 80.8 | 7.66  |                            |            | 6.66 |         | 6       | 6    | 100.0  | 10000 | 10000 |
| ٨١         |   | 97.5     |          | 0.66 | 4066  | 66.5 | 1.66  | 8.66                       | 8.66       | 6.66 | •       | 6.66    | 6.66 | 100.0  | 0.001 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

14352

1 = 1

SKY COVER

STATION NAME STATION AGANA, GUAM

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 0 1 2 3 4 5 6 7 8 9 10 GRANDOR AND TAILS SIGN TO SECONDARY AND TAILS SIGN TO SIGN TAILS SIGN TO SIGN TAILS SIGN TO SIGN TAILS SIGN TO SIGN TAILS SIGN TO SIGN TAILS SIGN TO SI |       | HOURS   |     |     |      | PERCENTAC | SE FREQUEN | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | IS OF TOTAL | SKY COVER |      |      |       | MEAN      | TOTAL |
|--|-------|---------|-----|-----|------|-----------|------------|---|-------------|-----------|------|------|-------|-----------|-------|
| 01 ib 2:6 12:3 9.7 11:0 12:9 6:3 6:5 5:2 5:2 27:7 6:1  04 1:3 5:8 9:0 11:0 12:9 7.7 6:5 7.7 5:8 21:3 5:8  07 1:3 3:2 9:0 6:5 11:0 5:2 15:3 7.7 12:3 28:4 7:1  19 1:9 4:5 5:2 11:0 7.7 5:2 7.7 15:5 12:3 31:0 7.4  19 1:9 7.7 10:3 10:3 8:4 7.7 8:4 8:4 7.7 29:0 6:6  22 ib 3:9 7:1 11:0 7:7 9:7 12:3 7:1 9:0 5:2 26:5 6:4  23 2:3 6:3 8:6 9:5 10:9 7:0 9:4 9:6 8:9 27:4 6:7 1  | NIN I | (LS.T.) | 0   | -   | 2    | 8         | 7          | 5   | 9           | 7         | 8    | 6    | 01    | SKY COVER | OBS.  |
| 04 1.3 5.6 9.0 11.0 11.0 12.9 7.7 6.5 7.7 5.8 21.3 5.8  07 1.3 3.2 9.0 6.5 11.0 5.2 15.5 7.7 12.3 28.4 7.1  10 .6 4.5 5.2 11.0 7.7 5.2 7.7 15.5 12.3 31.0 7.4  11 1.9 7.7 10.3 10.3 8.4 7.7 8.4 8.4 7.7 29.0 6.6  12 .6 3.9 7.1 11.0 7.7 9.7 12.3 7.1 9.0 5.2 26.5 6.4  13 2.3 6.3 8.6 9.5 10.9 7.0 9.4 9.6 8.9 27.4 6.7 1   | 3     | 10      | 9.  | 2.0 | 12.3 | 7.6       | 1100       | 12.9  | 6.5         | 6.5       | 5.5  | 5.2  | 27.7  |           | 155   |
| 10   |       | 40      | 1:3 | 5.8 | 9.0  | 11.0      | 11.0       | 12.9  | 7.7         | 6.5       | 7.7  | 3.8  | 21.3  |           | 155   |
| 19   |       | 70      |     | 1.3 | 3.2  | 9.0       | 6.0        | 11.0  | 5.2         | 15.5      | 7.7  | 12.3 | \$9.4 | 7.1       | 155   |
| 13   |       | 10      |     | •   | 4.5  | 5.8       | 6.7        | 11.0  | 4.5         | 11.0      | 12.3 | 4.0  | 32.3  |           | 155   |
| 16 1.9 1.9 6.5 9.0 13.5 6.5 12.3 11.0 14.2 23.2 7.0 19 1.9 7.7 10.3 10.3 8.4 7.7 8.4 8.4 7.7 29.0 6.6 22 6. 3.9 7.1 11.0 7.7 9.7 12.3 7.1 9.0 5.2 26.5 6.4 23 2.3 6.3 8.6 9.5 10.9 7.0 9.4 9.6 8.9 27.4 6.7 1  |       | 13      |     |     | 4.5  | 5.2       | 11.0       | 7.7   | 5.2         | 7:7       | 15.5 | 12,3 | 31.0  | 7.4       | 155   |
| 22 .6 3.9 7.1 11.0 7.7 9.7 12.3 7.1 9.0 5.2 26.5 6.4<br>22 .6 3.9 7.1 11.0 7.7 9.7 12.3 7.1 9.0 5.2 26.5 6.4<br>3 2.3 6.3 8.6 9.5 10.9 7.0 9.4 9.6 8.9 27.4 6.7  |       | 10      |     | 1.9 | 1.9  | 6.9       | 8.0        | 13.5  | 6.5         | 12,3      | 11:0 | 14.2 | 23.2  |           | 159   |
| 22 .6 3.9 7.1 11.0 7.7 9.7 12.3 7.1 9.0 5.2 26.5 6.4<br>.3 2.3 6.3 8.6 9.5 10.9 7.0 9.4 9.6 8.9 27.4 6.7 1   |       | 61      |     | 1.9 | 7:7  | 10.3      | 10.3       | 4.00  | 7.7         | 8.4       | 4.8  | 7.7  | 29.0  |           | 159   |
| 2.5  |       | 22      | 9.  | 3.9 | 1.1  | 11.0      | 7.7        | 9.7   | 12.3        | 7:1       | 0.6  | 5.5  | 26.5  |           | 159   |
| .3 2.3   |       |         |     |     |      |           |            |   |             |           |      |      |       |           |       |
| 5.3  |       |         |     |     |      |           |            |   |             |           |      |      |       |           |       |
| .3 2.3   |       |         |     |     |      |           |            |   |             |           |      |      |       |           |       |
|  | TOT   | ALS     |     | 2.3 | 6.3  | 8.6       | 9.5        | 10.9  | 7.0         | 4.6       | 9.6  | 8.0  | 27.4  | 6.7       | *     |

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SKY COVER

SKY COVER JAN 68

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STATION NAME

41406 STATION

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PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|             | HOURS   |    |     |     | PERCENTAG | SE FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | S OF TOTAL | SKY COVER |                    |              |          | MEAN      | TOTAL |
|-------------|---------|----|-----|-----|-----------|-------------|---|------------|-----------|--------------------|--------------|----------|-----------|-------|
| HINOW HINOW | (LS.T.) | 0  | -   | 2   | 8         | 4           | 3   | 9          | 7         | 8                  | ٥            | 01       | SKY COVER | 0.0   |
| 8           | 10      |    | 2.8 | 5.7 | 12.1      | 7.8         | 5.7 12.1 7.8 12.8                                 |            | 8.5 15.6  |                    | 9.2 4.3 21.3 | 21.3     | 6.3       | 141   |
|             | 90      |    | .,  | 5.0 | 6.6       | 7.8         |   | 12.8       | 11.3      | 8.5 12.8 11.3 15.6 |              | 5.7 22.7 | 6.7       | 141   |
|             | 0.1     |    | .,  | 2.1 | 4.0       |             | 9.2 7.8 7.1 9.2 12.8 13.5 31.2                    | 7.1        | 9.2       | 12.8               | 13.5         | 31.2     | 7.4       | 141   |
|             | 10      | ., |     | 1:4 | 9.2       | 7.8         | 7.8 12.8  | 4.0        |           | 9.9 13.5 12.8 24.8 | 12.8         | 24.8     | 7.0       | 141   |
|             | 13      | .7 |     |     | 7.8       |             | 5.7 10.6 11.3                                     | 11.3       |           | 9.2 15.6 9.2 29.8  | 9.2          | 39.8     | 7.4       | 141   |
|             | 16      |    | .7  | 2,8 | 3.5       | 12.1        | 3.5 12.1 14.2                                     | 4.3        | -         | 9.9 10.6 13.5 27.7 | 13.5         | 27.7     | 7.1       | 141   |
|             | 19      |    | *** | 3.5 | 6.6       |             | 8.5 11.3 5.0 12.1 12.1 7.8 27.7                   | 5.0        | 12.1      | 17.1               | 7.8          | 27.7     | 6.0       | 141   |
|             | 22      | ., | 2.1 | 3,5 | 12.1      | 15.6        | 3.5 12.1 15.6 9.2 4.3 12.8 14.2                   | 4.3        | 12.8      | 14.2               | 4.3          | 4.3 21.3 | 6.3       | 161   |
|             |         |    |     |     |           |             |   |            |           |                    |              |          |           |       |
|             |         |    |     |     |           |             |   |            |           |                    |              |          |           |       |
| 101         | TOTALS  | *. | =   | 3.0 |           | 6.9         | 8.9 9.3 10.9 7.5 11.3 13.0                        | 7.5        | 11.3      | 13.0               |              | 8.9 25.8 | 6.0       | 1128  |

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SKY COVER

AGANA, GUAM

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PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|        | HOURS    |    |     |     | PERCENTAG | SE FREQUEN | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | IS OF TOTAL | SKY COVER |                    |               |          | MEAN      | TOTAL |
|--------|----------|----|-----|-----|-----------|------------|---|-------------|-----------|--------------------|---------------|----------|-----------|-------|
| =      | (L.S.T.) | 0  | -   | 2   | 8         | 4          | 2   | 9           | 7         | 80                 | ٥             | 0        | SKY COVER | OBS.  |
| MAR    | 10       |    | 4.5 | 5,2 | 4.5       | 11.0       | 4.5 11.0 12.3                                     | 6.5         | 12.3      | 11.0               | *             | 8,4 24.5 | 6.7       | 155   |
|        | 40       |    | 4.5 | 3.9 | 7.7       | 7.1        | 7.1 14.8  | 7.1         | 11.6      | 9.7                | 0.6           | 24.5     | 6.7       | 155   |
|        | 10       |    | 1.3 | 2.6 | 7.7       | 4.0        | 7.6   | 2.6         | 7.7       |                    | 9.7 17.4 32.9 | 32.9     | 7.4       | 155   |
|        | 10       |    | 1.3 | 2.6 | 8.4       | 5.5        | 8.4   | 7.7         | 11.0      | 11.0 11.0 16.8     | 16.8          | 27.7     | 7.3       | 155   |
|        | 13       |    | 9.  | 1.9 | 7.1       |            | 6.5 14.8 11.6                                     | 11.0        | 3.2       | 3.2 11.6 17.4 25.2 | 17.4          | 25.2     | 7.2       | 155   |
|        | 16       | 9. | 1.3 | 1.3 | 10.3      | 4.5        | 4.5 11.0  | 8.0         | 5.5       | 5.2 20.0 13.5      |               | 26.5     | 7.3       | 155   |
|        | 19       |    |     | 4.5 | 7.1       | 4.         | 7.7   | 5.5         | 6.9       | 6.5 17.4 10.3 32.3 | 10.3          | 32.3     | 7.3       | 155   |
|        | 22       |    | 5.2 | 8.  | 7.6       | 4.6        | 0.6   | 4.5         | 3.9       | 19.4               | 9.7           | 23.2     | 9.0       | 155   |
|        |          |    |     |     |           |            |   |             |           |                    |               |          |           |       |
|        |          |    |     |     |           |            |   |             |           |                    |               |          |           |       |
| TOTALS | ALS      | .2 | 2,3 | 3.5 | 7,8       |            | 7.6 11.0  | 4.9         | 11        | 7.7 13.7 12.8 27.1 | 12.8          | 27.1     | 7:1       | 1240  |

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PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|   | na.com | HOURS   |    |     |     | PERCENTAC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | CY OF TENTH | IS OF TOTAL | SKY COVER |      |      |      | MEAN      | TOTAL  |
|---|--------|---------|----|-----|-----|-----------|---|-------------|-------------|-----------|------|------|------|-----------|--------|
| 04 .7 7.3 9.3 17.3 14.7 8.0 8.0 6.7 0.9 10.7 0.9 10.7 0.9 10.7 0.9 17.9 0.9 17.9 14.7 8.0 8.0 0.7 14.0 0.7 0.9 12.7 14.0 12.7 14.0 13.3 13.3 0.7 12.0 14.0 12.7 4.7 15.3 15.9 15.0 14.0 12.7 14.7 15.3 15.9 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 13.3 12.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0 14  | WOW I  | (LS.T.) | 0  | -   | 2   | e         | 4   | 2           | 9           | 7         | σ .  | ٥    | 01   | SKY COVER | NO. OF |
| 04 . 7 7.3 9.3 17.3 14.7 8.0 8.0 6.7 10.7 10.0 10.7 14.0 10.7 10.0 10.7 10.0 10.7 10.0 10.7 10.0 10.7 10.0 10.7 10.0 10.7 10.7  | APR    | 10      |    | 3.3 | 4.0 | 10.7      | 11.3  | 14.0        | 12.7        | 9.3       | 10.7 | 8.0  | 16.0 | 6.2       | 150    |
| 07       4.0       8.7       8.7       12.7       8.0       12.7       14.0         10       .7       3.3       6.7       12.0       14.7       7.3       12.7       14.7         13       .7       2.0       8.0       12.0       14.7       7.3       12.7       14.7         16       .7       3.3       8.7       12.7       17.3       9.3       11.3       10.7         19       .7       2.0       9.3       13.3       12.0       9.3       12.0       14.0         22       2.0       7.3       14.7       12.7       16.0       8.7       4.0       14.0         22       2.0       7.3       14.7       12.7       16.0       8.7       4.0       14.0         22       2.0       7.3       14.7       12.7       16.0       8.7       4.0       14.0         23       2.0       7.2       9.5       12.5       14.4       9.5       9.3       12.4  |        | 40      |    | .7  | 7.3 | 9.3       | 17.3  | 14.7        |             | 8.0       |      | 10.0 | 18.0 | 6,1       | 150    |
| 19 .7 2:0 8:0 12:0 14:0 12:7 14:7 16:3 10:7 16:7 16:7 16:7 16:7 16:7 16:7 16:7 16   |        | 70      |    |     | 4.0 |           | 8.7   | 12.7        |             | 12.7      | 14.0 | 10.7 | 20.7 | 6.9       | 150    |
| 19 .7 2.0 8.0 12.0 14.7 7.3 12.7 14.7  19 .7 2.0 9.3 13.3 12.0 9.3 12.0 13.3  22 2.0 7.3 14.7 12.7 16.0 8.7 4.0 16.0  1. 1.0 4.2 9.5 12.5 14.4 9.5 9.3 12.4   |        | 10      |    |     | 3.3 | 6.7       | 12.0  | 14.0        | 12.7        |           | 15.3 | 11.3 | 19.3 | 6.7       | 150    |
| 19 .7 2.0 9.3 12.0 9.3 11.3 10.7 22 2.0 7.3 14.7 12.7 16.0 8.7 4.0 19.0 19.0 19.0 19.0 19.0 19.0 19.0 19  |        | 13      |    |     | 2.0 | 8.0       | 12.0  | 14.7        | 7.3         | 12.7      | 14:7 | 10.7 | 17.3 | 6.7       | 150    |
| 22 2.0 7.3 14.7 12.7 16.0 8.7 4.0 14.0 14.0 14.0 14.0 14.0 14.0 14.0  |        | 16      |    | .,  | 3,3 | 8.7       | 12.7  | 17.3        |             | 11.3      | 10.7 | 9,3  | 16.7 | 4.0       | 150    |
| 22 2.0 7.3 14.7 12.7 16.0 8.7 4.0 14.0 16.0 in the second |        | 19      |    |     | 2.0 | 9.3       | 13.3  | 12.0        | 6.9         | 12.0      | 13.3 | 11.3 | 16.7 | 9.0       | 150    |
| 1.0 4.2 9.5 14.4 9.5 9.3 12.4   |        | 22      |    | 2.0 |     |           | 12.7  | 16.0        |             |           | 16.0 |      | 13.3 | 5.8       | 150    |
| 1 1.0 4.2 9.5 12.5 14.4 9.5 9.3 12.4  |        |         |    |     |     |           |   |             |             |           |      |      |      |           |        |
| 1 1.0 4.2 9.5 12.5 14.4 9.5 9.3 12.4  |        |         |    |     |     |           |   |             |             |           |      |      |      |           |        |
|   | TOTA   | ALS     | .: | 1.0 | 4.2 | 9.8       | 12.5  | 14.4        |             | 9.3       |      |      | 17.3 | 4.0       | 1200   |

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SKY COVER

AGANA, GUAM

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STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOLIRS   |     |     |     | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | S OF TOTAL | SKY COVER |      |      |          | MEAN  | TOTAL |
|-------|----------|-----|-----|-----|-----------|------------|---|------------|-----------|------|------|----------|---|-------|
| MONTH | (1.5.1.) | 0   | -   | 2   | 3         | 4          | 5   | 9          | 7         | 8    | 6    | 10       | SKY COVER                                       | OBS.  |
| WAY   | 10       | 3.9 | 1.9 | 4.5 | 11.0      | 13.5       | 4.5 11.0 13.5 14.2 8.4 7.1 12.3 5.2 18.1          | 9.6        | 7.1       | 12.3 | 5.2  | 18.1     | 5.9   | 155   |
|       | 40       | 2.6 | 3.2 |     | 14.2      | 1100       | 6.5 14.2 11.0 12.3 8.4 7.7 7.7                    | 9.6        | 7.7       | 7.7  | 2.5  | 5.2 21.3 | 5.9   | 155   |
|       | 7.0      | 9.  | 9.  | 5.2 | 12.9      | 7.6        | 5.2 12.9 9.7 12.3 5.8 9.7 9.7 12.3 21.3           | 5.8        | 9.7       | 6.9  | 12.3 | 21.3     | 6.5   | 155   |
|       | 07       |     | 9   | 4   | 7.7       | 0.6        | 7.7 9.0 18.1 9.0 13.5 11.0 11.6 18.7              | 9.0        | 13.5      | 11.0 | 11.6 | 18.7     | 8.9   | 155   |
|       | 13       |     |     |     | 5.8       | 12.3       | 5.8 12.3 20.0 7.7 11.6 9.0 12.9 20.6              | 7.7        | 11.6      | 0.6  | 12.9 | 20.6     | 6.9   | 155   |
|       | 16       |     |     | 1:9 | 7.1       | 11.6       | 7.1 11.6 16.1 7.1 9.0 15.5 8.4 23.2               | 7.1        | 0.6       | 15.5 | 4.8  | 23.2     | 6.9   | 155   |
|       | 6        |     | 9.  | 3.2 | 7.7       | 7.1        | 3.2 7.7 7.1 14.8 9.0 12.3 12.9 9.7 22.6           | 0.6        | 12.3      | 12.9 | 9.7  | 22.6     | 6.9   | 155   |
|       | 22       | 9.  | 2.6 | 5.5 | 14.2      | 9.0        | 5.2 14.2 9.0 11.6 8.4 12.3 11.6 4.5 20.0          | 4.8        | 12.3      | 11.6 | 4.5  | 20.02    | 6.2   | 155   |
|       |          |     |     |     |           |            |   |            |           |      |      |          |   |       |
|       |          |     |     |     |           |            |   |            |           |      |      |          |   |       |
|       |          |     |     |     |           |            |   |            |           |      |      |          |   |       |
| 10    | TOTALS   | 1.0 | 1.2 | 3.4 | 10.1      | 10.4       | 14.9  | 8.0        | 10.4      | 11.2 | 6.7  | 20.7     | 2 3.4 10.1 10.4 14.9 8.0 10.4 11.2 8.7 20.7 6.5 | 1240  |

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL   | OBS.      | 150                        | 150                     | 150                                   | 150                     | 150                    | 150                | 150                | 150           |  | 1200   |
|---|-----------|----------------------------|-------------------------|---------------------------------------|-------------------------|------------------------|--------------------|--------------------|---------------|--|--|
| MEAN  | SKY COVER | 6.1                        | 9.5                     | 7.1                                   | 7.2                     | 7.2                    | 7.3                | 7.1                | 6.2           |  | 9.5 8.8 13.1 8.5 9.1 13.5 10.8 22.3 6.8 1200 |
|   | 10        | 18.7                       | 20.7                    | 24.0                                  | 17.3                    | 22.0                   | 24.7               | 28.0               | 22.7          |  | 22.3   |
|   | 6         | 9.3 7.3 18.7               | 7,3 20,7                | 7.3 10.0 13.3 6.7 11.3 14.0 11.3 24.0 | 7.3 14.7 14.7 10.7 17.3 | 6.7 9.3 18.7 14.7 22.0 | 0.0 20.7 13.3 24.7 | 8.0 14.0 11.3 28.0 | 4.7 22.7      |  | 10.8   |
|   | 8         |                            | 6.9                     | 14.0                                  | 14.7                    | 18.7                   | 20.7               | 14.0               | 7.3           |  | 13.5   |
| SKY COVER   | 7         | 7.3                        | 7.3                     | 11.3                                  | 14:7                    | 6.6                    | 0.0                | 0.8                | 8.7           |  | 9.1  |
| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | 9         | 5.3 12.7 10.0 10.0 9.3 7.3 |                         | 6.7                                   | 7.3                     | 1.9                    | 7.3                | 8.0                | 12.0          |  | 8.5  |
| Y OF TENTHS                                       | 2         | 16.0                       | 8.7 10.7 14.0 10.7 10.7 | 13.3                                  | 5.3 7.3 16.7            | 6.0 7.3 13.3           | 11.3               | 3.3 10.7 6.0 10.7  | 8.7 12.7 12.0 |  | 13.1   |
| E FREQUENC  | 4         | 10.0                       | 14.0                    | 10.0                                  | 7.3                     | 7.5                    | 6.7 11.3           | 0.9                | 4.1           |  | 30   |
| PERCENTAG   | 8         | 12.7                       | 10.7                    | 7.3                                   | 5.3                     | 0.0                    | 6.7                | 10.7               | 5.3 16.7      |  | 9.5  |
|   | 2         | 5.3                        | 7.                      | 1.3                                   |                         | 2.0                    | 2.7                | 3,3                | 5.            |  | 3.6  |
|   | -         | 3.3                        |                         | 1.                                    |                         |                        |                    |                    | .,            |  |  |
|   | 0         | .,                         | . 7                     |                                       |                         |                        |                    |                    |               |  |  |
| HOURS   | (L.S.T.)  | 10                         | *0                      | 20                                    | 10                      | 13                     | 91                 | 61                 | 22            |  | VIS .  |
| 1   | MONIN     | NOC                        |                         |                                       |                         |                        |                    |                    |               |  | TOTALS                                       |

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|-------|-------------------------------|--------------|---------|---------------------|--|-----------|-----------------------|---|--|-----------------|---|----------------|
| 1     | 4 of 4<br>AD<br>AD<br>BOSOSOS |              |         |                     |  |           |                       | ASSESSMENT OF THE PROPERTY OF | A CONTRACTOR OF THE PROPERTY O | Transletteres e | Tanamana and a                          | Ribertenning.  |
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|       | A ARE LEGAL                   | Martin Mar   |         |                     |  |           |                       |   |  |                 |   |                |
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| 1//   | HAPPER N                      | No.          | Burning | STORES AND A STORES |  |           | END<br>DATE<br>FILMED | <br>10 <u></u>  | 20   | 10              |   |                |

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PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS   |   |    |     | PERCENTAG | E FREQUENC | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | S OF TOTAL | SKY COVER |      |       |      | MEAN                                   | TOTAL |
|-------|---------|---|----|-----|-----------|------------|---|------------|-----------|------|-------|------|--|-------|
| MONTH | (LS.T.) | 0 | -  | 2   | 3         | ,          | 2   | 9          | 7         | ω    | 6     | 01   | SKY COVER                              | OBS.  |
| JUL   | 70      |   |    | 2.6 | 5.2       | 9.7        | 15.5  | 5.2        | 10.3      | 9.0  | 9.0   | 33,5 | 5.2 9.7 15.5 5.2 10.3 9.0 9.0 33.5 7.3 | 155   |
|       | 90      |   |    | 4.5 | 11.6      | 8.4        | 11.6 8.4 9.0 7.1 11.0 12.3 5.8 30.3 7.0           | 7.1        | 11.0      | 12.3 | 8.6   | 30.3 | 7.0                                    | 155   |
|       | 07      |   |    | 9.1 |           | 505        | 2.6 5.2 5.8 6.5 9.0 16.8 15.5 36.8                | 6.5        | 9.0       | 16.8 | 15.5  | 36.8 | 8.0                                    | 155   |
|       | 9       |   |    |     | 1.3       | 3.2        | 1.3 3.2 12.3 5.2 9.0 16.8 14.2 38.1               | 5.2        | 9.0       | 16.8 | 14.2  | 38.1 | 8.1                                    | 155   |
|       | 13      |   |    |     | 1.9       |            | 4.5 7.7 7.1 11.0 18.7 14.2 34.8                   | 7.1        | 11.0      | 18.7 | 14.2  | 34.8 | 8.1                                    | 155   |
|       | 10      |   |    |     | 2.6       | 2.0        | 2.6 2.6 10.3 3.2 9.7 16.8 20.0 34.8               | 3.2        | 9.7       | 16.8 | 20.02 | 34.8 | 8.2                                    | 155   |
|       | 13      |   |    |     | 2.6       |            | 3.9 9.0 3.9 9.7 14.2 12.3 44.5                    | 3.9        | 9.7       | 14.2 | 12,3  | 44.5 | 6.                                     | 155   |
|       | 77      |   | •  | 3.2 | 7.7       | 5.5        | 3.2 7.7 5.2 11.0 5.8 4.5 14.2 9.7 38.1            | 5.8        | 4.5       | 14.2 | 1.6   | 38.1 | 7.5                                    | 155   |
|       |         |   |    |     |           |            |   |            |           |      |       |      |  |       |
|       |         |   |    |     |           |            |   |            |           |      |       |      |  |       |
| 10    | FOTALS  |   | ,: | 1.5 |           | 5.3        | 4.4 5.3 10.1 5.5 9.3 14.9 12.6 36.4 7.8           | 5.5        | 9.3       | 14.9 | 12.6  | 36.4 | 7.8                                    | 1240  |

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SKY COVER

STATION AGANA, GUAM

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STATION NAME

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|        | HOURS    |    |   |     | PERCENTAG | E FREQUENC | Y OF TENTH | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | SKY COVER |                    |                |          | MEAN      | TOTAL |
|--------|----------|----|---|-----|-----------|------------|------------|---|-----------|--------------------|----------------|----------|-----------|-------|
| MONIH  | (L.S.T.) | 0  | - | 2   | 8         | +          | 5          | 9   | 7         | 80                 | 6              | 01       | SKY COVER | OBS.  |
| DUA    | 10       |    |   | 1.3 | 4.5       | 4.5        | 7.7        | 0.6   | 7.7       | 7.1                | 7.1 10.3 47.7  | 47.7     | 9.1       | 155   |
|        | *0       |    |   | 3.9 | 6.9       | 6.5        | 4          | 6.9   | 9.0       | 9.0 13.5           | 4.8            | 39.4     | 7.6       | 155   |
|        | 20       |    | 9 | 1.9 | 3.9       | 2.6        | 4.5        | 7.7   | 7.1       | 7.1 12.3           |                | 7.1 52.3 | 8.3       | 155   |
|        | 9        |    |   |     | 1.9       | 2.0        | 11.0       | 2.6   | 4.8       |                    | 16.1 13.5 43.9 | 43.9     | 8.3       | 155   |
|        | 13       |    |   |     | 1.3       | 2.0        | 7.1        | 2.6   | 7.7       | 7.7 14.8 15.5 48.4 | 15.5           | 48.4     | 8.6       | 155   |
|        | 91       |    |   |     | 1.3       | 6.5        | 3.6        | 6.5   | 5.2       | 5.2 10.3 14.2      | 14.2           | 54.2     | 8.7       | 155   |
|        | 61       |    |   |     | 1.9       | 1.9        | 3.9        | 1.3   | *         | 12.3               |                | 9.0 61.3 | 6.8       | 155   |
|        | 77       | •  |   | 1:3 | 3.5       | 4.5        | 4.1        | 5.6   | 4.        | 6.5                | 4.             | 94.8     | 8.3       | 155   |
|        |          |    |   |     |           |            |            |   |           |                    |                |          |           |       |
|        |          |    |   |     |           |            |            |   |           |                    |                |          |           |       |
| TOTALS | ALS      | .: |   | ::  | 3.1       | 3.7        |            | 7.0 4.6   |           | 7.7 11.6 10.8 50.3 | 10.8           | 50.3     | 4.8       | 1240  |

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SKY COVER

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|        | HOURS    |   |     |     | PERCENTAG | E FREQUENC | Y OF TENTH | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | SKY COVER |                                      |      |          | MEAN      | TOTAL |
|--------|----------|---|-----|-----|-----------|------------|------------|---|-----------|--------------------------------------|------|----------|-----------|-------|
| MONIH  | (L.S.T.) | 0 | -   | 2   | 6         | •          | S          | 9   | 7         | 80                                   | ٥    | 01       | SKY COVER | OBS.  |
| SEP    | 10       |   | .,  | 1:3 | 0.0       | 3.4        | 13.4       | 5.4   | 9.6       | 304 1304 504 9.4 17.4                | 0.0  | 6.0 36.9 | 7,6       | 149   |
|        | *        |   | 1.3 | 4.0 | 3.4       | 4.6        | 12.1       | 10.1  | 10.1      | 3.4 9.4 12.1 10.1 10.1 10.7 7.4 31.5 | 7.4  | 31.5     | 7.2       | 149   |
|        | 10       |   |     | .,  | 1.3       |            | 1.0        | 5.4   | 8.1       | 6.7 6.7 5.4 8.1 16.8 11.4 43.0       | 11.4 | 43.0     | 8.2       | 149   |
|        | 9        |   |     |     | 1:3       |            | 6.7        | 4.0   | 10.7      | 4.0 6.7 4.0 10.7 18.8 14.8 39.6      | 14.8 | 39.6     | 8.3       | 149   |
|        | 13       |   |     |     | .,        | 4.7        | 5.4        |   | 11.4      | 4.0 11.4 16.8 20.1 36.9              | 20.1 | 36.9     | 4.        | 149   |
|        | 9        |   |     | .,  |           | 4.7        | 7.4        |   | 4:7       | 3.4 4.7 20.1 17.4 41.6               | 17.4 | 41.6     | 4.0       | 149   |
|        | 61       |   |     |     | 2.0       | 4.7        | 1.8        | 3.4   |           | 6.0 16.1                             |      | 8.1 51.7 | 6.5       | 149   |
|        | 22       |   | 1.3 |     | 3.4       | 0.0        | 8.1        | 6.7   | 7.4       | 6.7 7.4 12.8 12.1 42.3               | 15,1 | 42.3     | 0.8       | 149   |
|        |          |   |     |     |           |            |            |   |           |                                      |      |          |           |       |
|        |          |   |     |     |           |            |            |   |           |                                      |      |          |           |       |
| TOTALS | NIS      |   | **  |     | 2.3       | 5.5        | 8.5        | 5.3   | 8.5       | 2.3 5.5 8.5 5.3 8.5 16.2 12.2 40.4   | 12.2 | 40.4     | 8.1       | 1192  |

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STATION AGANA, GUAM

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| O   | n in the second | HOURS    |   |     |     | PERCENTAC | SE FREQUEN | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | IS OF TOTAL | SKY COVER |       |      |      | MEAN      | TOTAL |
|---|-----------------|----------|---|-----|-----|-----------|------------|---|-------------|-----------|-------|------|------|-----------|-------|
| 04  | MONIE           | (L.S.T.) | • | -   | 2   | 8         | 4          | 8   | •           | 7         | œ     | 6    | 01   | SKY COVER | OBS.  |
| 04  | 100             | 10       |   |     | 5.2 | 7.7       | 9.0        | 13.5  | 10.3        | 6.5       | 7.6   | 7.7  | 30.3 | 6.9       | 15    |
| 10  |                 | *0       | • | 1.3 |     |           | 70.1       | 11.6  | 11.6        | 10.3      | 10.3  | 4.   | 25.2 | 6.7       | 155   |
| 19  | er i            | 10       |   |     | 3.2 | 5.8       | 5.5        | 11.0  | 5.5         | 7.1       | 18.1  | 10.3 | 34.2 | 7.6       | 15    |
| 13  |                 | 10       |   |     | .0  | 4.5       | 7.1        | 11.6  | 5.2         | 4.1       | 14.2  | 18.1 | 29.0 |           | 13    |
| 16  |                 | 13       |   |     |     | 7.1       | 2.6        | 13.5  | 6.9         | 12.3      | 13.5  | 12.3 | 34.2 | 7.7       | -     |
| 22 1.9 6.5 100.3 5.2 9.0 14.2 5.6 9.7 37.4 7.5 11.0 1.2 2.3 6.1 7.3 10.9 7.4 9.9 11.5 11.0 33.5 7.4 1 |                 | 91       |   |     | 9.  | 3.9       |            | 14.2  | 5.8         | 4.0       | 10.3  | 11.0 | 38.1 |           | 5     |
| 22 1:9 6:5 10.3 5.2 9.0 14.2 5.6 9.7 37:4 7.5 11.0 33:5 7.4 1   |                 | 19       |   |     | 1.3 | 4.5       | 4.6        | 6.5   | 7.7         | 11.0      | 10.3  | 9.7  | 39.4 |           | 15    |
|   |                 | 22       |   |     | 1.9 | 6.5       | 10.3       | 5.2   | 9.0         | 14.2      | 5.8   | 9.7  | 37.4 | 7.5       | -     |
|   |                 |          |   |     |     |           |            |   |             |           |       |      |      |           |       |
|   |                 |          |   |     |     |           |            |   |             |           |       |      |      |           |       |
|   |                 |          |   |     |     |           |            |   |             | ,         | N     |      |      |           |       |
|   | TOT             | 4LS      | × | .2  | 2.3 | 6.1       | 7.3        | 10.9  | 7.4         | 9.6       | 111.5 | 11.0 | 33.5 | 7.4       | 124   |

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SKY COVER

STATION NAME

VON

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS    |     |     |     | PERCENTAC | SE FREQUEN | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | IS OF TOTAL | SKY COVER |      |      |      | MEAN   | TOTAL |
|-------|----------|-----|-----|-----|-----------|------------|---|-------------|-----------|------|------|------|--|-------|
| MONIH | (L.S.T.) | 0   | -   | 2   | m         | •          | 3   | 9           | 7         | 8    | 6    | 01   | SKY COVER  | OBS.  |
| NOV   | 10       |     |     | 0.0 | 11.3      | 11.3       | 12.7  | 8.0         | 13.3      | 11.3 | 6.7  | 21.3 | 4.0 11.3 11.3 12.7 8.0 13.3 11.3 0.7 21.3 6.6      | 150   |
|       | *        | 1:3 | 2.7 | 4:7 | 10.0      | 1103       | 7 4.7 10.0 11.3 13.3 6.7 13.3 10.0 6.0 20.7       | 6.7         | 13.3      | 10.0 | 0.0  | 20.7 | 6.3  | 150   |
|       | 07       |     | 2.0 | 4.0 | 10.0      | 313        | 12.7  | 4.7         | 12.7      | 16.0 | 7.3  | 27.3 | 0 4.0 10.0 3.3 12.7 4.7 12.7 16.0 7.3 27.3 7.0     | 150   |
|       | 9        |     |     | 1.3 | 8.0       | 8.0        | 1.3 8.0 8.0 17.3 6.7 10.0 18.0 11.3 19.3 6.9      | 1.9         | 10.0      | 18.0 | 11.3 | 19.3 | 6.9  | 150   |
|       | 13       |     |     | 1.3 | 3,3       | 6.7        | 24.0  | 10.7        | 13.3      | 12.0 | 9.0  | 20.7 | 1.3 3.3 6.7 24.0 10.7 13.3 12.0 8.0 20.7 6.9       | 150   |
|       | 97       |     |     | 2.7 | 5.3       | 11.3       | 2.7 5.3 11.3 19.3 5.3 14.7 11.3 7.3 22.7 6.8      | 5.3         | 14:7      | 11.3 | 7.3  | 77.7 | 6.6  | 150   |
|       | 19       |     | 103 | 1.3 | 8.7       | 9.3        | 18.0  | 10.7        | 11.3      | 7.3  | 0.0  | 26.0 | 3 1.3 8.7 9.3 18.0 10.7 11.3 7.3 6.0 26.0 6.7      | 150   |
|       | 22       |     |     | 4:0 | 10.0      | 12.7       | 6.0 10.0 12.7 12.7 12.7 6.7 13.3 4.7 23.3 6.6     | 12.7        | 6.7       | 13.3 | 4.7  | 23.3 | 9.0  | 150   |
|       |          |     |     |     |           |            |   |             |           |      |      |      |  |       |
|       |          |     |     |     |           |            |   |             |           |      |      |      |  |       |
| 101   | rotals   | 2.  | 8   | 2.9 | 8.3       | 9.2        | 16.3  | 8.2         | 11.9      | 12.4 | 7,2  | 22.7 | 8 2.9 8.3 9.2 10.3 8.2 11.9 12.4 7.2 22.7 6.7 1200 | 1200  |

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SKY COVER

STATION NAME AGANA, GUAM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL   | OBS.      | 124  | 124                                      | 124                                       | 124                                  | 124                             | 124                              | 124                             | 124                         |  |        |
|---|-----------|--|--|---|--------------------------------------|---------------------------------|----------------------------------|---------------------------------|-----------------------------|--|--------|
| MEAN  | SKY COVER | 5.8  | 0.0                                      | 9.9                                       | 6.9                                  | 0.0                             | 0.0                              | 4.0                             | 4.0                         |  |        |
|   | 01        | 12.1                                       | 18.5                                     | 17.7                                      | 16.9                                 | 18.5                            | 15.3                             | 17.7                            | 12.9                        |  |        |
|   | ٥         | 3.2  | 5.0                                      | 13.7                                      | 7.3                                  | 9.7 18.5                        | 9.7 15.3                         | 8.1 17.7                        | 5.0 12.9                    |  |        |
|   | 8         | 11.3                                       | 6.9                                      | 4.7                                       | 10.5                                 | 13.7                            | 12.9                             | 12.1                            | 15.3                        |  |        |
| SKY COVER   | ,         | 14.5                                       | 12.9                                     | 8.1                                       | 16.9                                 | 10.5                            | 13.7                             | 12.9                            | 11.3                        |  |        |
| PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | ۰         | 5.6 12.1 14.5 13.7 11.3 14.5 11.3 3.2 12.1 | 8.9 11.3 11.3 16.1 8.1 12.9 6.5 5.0 18.5 | 1.6 11.3 12.1 14.5 10.5 8.1 9.7 13.7 17.7 | 8.9 10.5 17.7 8.1 16.9 10.5 7.3 16.9 | 3.2 7.3 15.3 12.9 8.1 10.5 13.7 | 68 10.5 10.5 16.1 10.5 13.7 12.9 | 4.8 12.1 9.7 12.9 9.7 12.9 12.1 | 8.9 6.5 16.1 20.2 11.3 15.3 |  |        |
| Y OF TENTH  | 3         | 13.7                                       | 1001                                     | 14.5                                      | 17.7                                 | 12.9                            | 1601                             | 12.9                            | 1661                        |  | 1      |
| E FREQUENC  | •         | 14.5                                       | 11.3                                     | 12.1                                      | 10.5                                 | 15.3                            | 10.5                             | 4.1                             | 6.5                         |  |        |
| PERCENTAG   | 8         | 12.1                                       | 11.3                                     | 11.3                                      |                                      | 7.3                             | 10.5                             | 12.1                            |                             |  |        |
|   | 2         | 5.6  | 6.9                                      | 1.6                                       | 4.5                                  | 3.2                             |                                  |                                 | 1.6                         |  |        |
|   | -         |  |  |   |                                      |                                 |                                  |                                 |                             |  |        |
|   | 0         | 8  |  |   |                                      | 10                              |                                  |                                 |                             |  |        |
| HOURS   | (LS.T.)   | 10   | *0                                       | 20  | 10                                   | 13                              | 16                               | 61                              | 22                          |  | SIN    |
| HOME  | MONIN     | DEC  |  |   |                                      |                                 |                                  |                                 |                             |  | TOTALS |

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SKY COVER

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STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       |         |     |     |     | PERCENTAC | SE FREQUEN | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | S OF TOTAL | SKY COVER |               |      |      | MEAN      | TOTAL |
|-------|---------|-----|-----|-----|-----------|------------|---|------------|-----------|---------------|------|------|-----------|-------|
| MONIH | (LS.T.) | 0   | -   | 2   | m         | 7          | S   | •          | 7         | <b>6</b>      | ٥    | 02   | SKY COVER | OBS.  |
| NAL   | ALL     |     | 2.3 | 6.3 | 8.6       | 9.5        | 10.9  | 7.0        | 9.6       | 9.6           | 6.8  | 27.4 | 6.7       | 1240  |
|       |         | 4   | =   | 3.0 | 8.9       | 9.3        | 10.0  | 7.5        | 11.3      | 13.0          | 8.9  | 25.8 | 6.9       | 1128  |
| HAR   |         | 2   | 2.3 | 3.5 | 7.8       | 7.6        | 1100  | 9.0        | 1.7       | 13.7          | 12.8 | 27.1 | 7.1       | 1240  |
| APR   |         |     | 1.0 | 4.2 | 9.5       | 1205       | 14.4  | 9.5        | 9.3       | 12.4          | 9.8  | 17.3 | 4.9       | 1200  |
| MAY   |         | 1:0 | 1.2 | 3.4 | 10.1      | 10.4       | 14.9  | 8.0        | 10.4      | 11.2          | 6.7  | 20.7 | 6.5       | 1240  |
| NA.   |         |     | .7  | 3.6 | 9.5       | 8.8        | 1301  | 8.5        | 9.1       | 13.5          | 10.8 | 22.3 | 6.6       | 1200  |
| THE   |         |     | .=  | 1.5 | 4:4       | 513        | 1001  | 5.5        | 9.3       | 14.9          | 12.0 | 30.4 | 7.8       | 1240  |
| AUG   |         | -   |     | -   | 3.1       | 3.7        | 7.0   | 9.0        | 7.7       | 11.6          | 10.8 | 50.3 | 4.8       | 1240  |
| SEP   |         |     |     |     | 2.3       | 5.5        | 20.5  | 5.3        | 8.5       | 16.2          | 12.2 | 40.4 | 8.1       | 1192  |
| 200   |         | -   | .2  | 2.3 | 1.0       | 7.3        | 10.9  | 7.4        | 6.6       | 11.5          | 11.0 | 33.5 | 7.4       | 1240  |
| NOV   |         | .2  | 8   | 2.9 | 8.3       | 9.2        | 16.3  | 8.2        | 11.9      | 12.4          | 7.2  | 22.7 | 6.7       | 1200  |
| DEC   |         |     | 5.  | 3.6 | 10.3      | 11.3       | 15.0  | 10.8       | 12.6      | 11.5          | 7.9  | 16.2 | 4.9       | 992   |
| -     | TOTALS  |     | 6.  | 3.0 | 7.4       | 40         | 8.4 11.9  | 7.4        | 8.6       | 9.8 12.6 10.1 | 10.1 | 28.3 | 7.1       | 14352 |

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#### PART E

### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- Cumilative percentage frequency of occurrence derived from dally observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
- . Daily maximum temperature
  - . Daily minimum temperature
    - c. Daily mean temperature
- Extreme values derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. of daily extreme temperatures are prepared:
- a. Extreme maximum temperature b. Extreme minimum temperature
- NOTE: A supplementary list also vides extreme temperatures when less than a full r is reported.
- month and annual, all hours and sus wet-bulb temperature. Bivariate percentage frequency distribution and computations of dry-This tabulation is derived from 3-hourly observations and is present. all years combined. The following information is provided: ë.
- Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb which may require two pages in some cases.

A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent. NOTE:

Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\sum X^2)$ , sums of values  $(\sum X)$ , means  $(\sum X)$ , and standard deviations  $(\sigma X)$ . The number of observations used in the computations for each element is also shown. å

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dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in At the lower right of the form are given the mean number of hours of occurrence for six ranges of the annual summary, or mean number of hours per month in the tabulations by month. Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following: .
- a. Dry-bulb temperature
  - Wet-bulb temperature
- . Dew-point temperature
- Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables. 3
- Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary. è.
- Percentage frequency of occurrence of dry-bulb temperature versus wind direction This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

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|            |       |       | ช     | JAULATIVE | PERCEN | AGE FREC | CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE | JF OCCUR | RENCE |      |      |      | MAXIMUM |
|------------|-------|-------|-------|-----------|--------|----------|---|----------|-------|------|------|------|---------|
|            |       |       |       |           | (FROM  | DAILY OB | (FROM DAILY OBSERVATIONS)                     | (S)      |       |      |      |      |         |
| TEMP (*F)  | JAN.  | FEB.  | MAR.  | APR       | MAY    | JUN      | JUI.  | AUG.     | SEP.  | OCT. | NOV. | DEC. | ANNUAL  |
|            |       |       |       | 2         |        | -        | 1.  |          |       |      |      |      | 0.      |
| 200        |       | 1.0   | 1.6   | 3.0       | 3.7    | 0        | 6.6   | 8.0      | 7.6   | 9.6  | 5.5  | 1    | 3       |
|            | 41.0  | 46.3  | 64.0  | 81.1      | 86.0   | 98.7     | 81.3  |          |       |      |      | 66.7 | 73.2    |
|            | 4.86  | 0.66  | 9.66  | 6.66      | 49.7   | 8.06     | - 1   |          |       |      |      | - 1  | 99.     |
|            | 100.0 | 100.0 | 100.0 | 100.0     | 100.0  | 100.0    | -   | _        | 100.0 | - 1  |      | - }  | 100.0   |
| AI         |       |       |       |           |        |          |   |          |       |      |      |      |         |
| A          |       |       |       |           |        |          |   |          |       |      |      |      |         |
| AI         |       |       |       |           |        |          |   |          |       |      |      |      |         |
| 2          |       |       |       |           |        |          |   |          |       |      |      |      |         |
| AI         |       |       |       |           |        |          |   |          |       |      |      |      |         |
| A          |       |       |       |           |        |          |   |          |       |      |      |      |         |
| ^          |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            | -     |       |       |           |        |          |   |          |       |      |      |      |         |
| N          |       |       |       |           |        |          |   |          |       |      |      |      |         |
| <b>A</b> 1 |       |       |       |           |        |          |   |          |       |      |      |      |         |
| A          |       |       |       |           |        |          |   |          |       |      |      |      |         |
| All        |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            | -     | 1     |       |           |        |          |   |          |       |      |      |      |         |
| N          |       |       |       |           |        |          |   |          |       |      |      |      |         |
| AI         |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            |       |       |       |           |        |          |   |          |       |      |      |      |         |
| AI         |       |       |       |           |        |          |   |          |       |      |      |      |         |
| Al         |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            |       |       |       |           |        |          |   |          |       |      |      |      |         |
| -          |       |       |       |           |        |          |   |          |       |      |      |      |         |
| A1         |       |       |       |           |        |          |   |          |       |      |      |      |         |
| AI         |       |       |       |           |        |          |   |          |       |      |      |      |         |
| AI         |       |       |       |           |        |          |   |          |       |      |      |      |         |
| A          |       |       |       |           |        |          |   |          |       |      |      |      |         |
| A          |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            |       |       |       |           |        |          |   |          |       |      |      |      | -       |
| ,          |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            |       |       |       |           |        |          |   |          |       |      |      |      |         |
| AI /       | -     |       |       |           |        |          |   |          |       |      |      |      |         |
| ,          |       |       |       |           |        |          |   |          |       |      |      |      |         |
|            | -     |       |       |           |        |          |   |          |       |      |      |      |         |
| NEW Y      | 84.5  | 3 70  | 6 . 3 | 4         | 7.98   | 0.76     | 4. 48   | 2        | 2 70  | A AB | - 11 | - 11 | 4 3     |
| MENIN .    | 200   |       | ***   | 700       | 2 4 2  | 2000     |   |          |       | 664  | 200  | 1100 | . 46    |
| 20.0       | 1.760 | 1.40  | 00001 | 1 . 0 . 4 | 2000   | 101.2    | 2000  | 4.509    | 2000  | 3    | - 1  | - 1  | 37.7    |
| 10141 000  | 40    | 7     |       |           |        |          |   |          |       |      |      |      |         |

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### DAILY TEMPERATURES

|            |       | 5    | 5     | JAULATIVE | PERCENT | CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE | DUENCY O | F OCCUR | RENCE  |       |       |       | MINIMO |
|------------|-------|------|-------|-----------|---------|---|----------|---------|--------|-------|-------|-------|--------|
|            |       |      |       |           | (FROM   | (FROM DAILY OBSERVATIONS)                     | ERVATION | (S)     |        |       |       |       |        |
| TEMP (°F)  | JAN.  | FEB. | MAR.  | APR.      | MAY     | , NOI   | JUL.     | AUG.    | SEP.   | OCT.  | NOV.  | DEC.  | ANNUAL |
| 2 85       |       |      |       |           |         |   |          |         |        |       |       |       | 0.     |
|            |       | **   |       | •         | 2.3     | 5.1   | 4.3      | 3.3     | 3.8    |       |       | 4.3   | 3.1    |
| 7          | _     | 52.  | 61.0  | 80.3      | 87.5    | 88.7  | 65.0     | 82.0    | 79.6   |       |       | 78.1  | 76.8   |
|            | 99.5  |      | 6.86  | 6.66      | 100.0   | 100.0   | 100.0    | 100.0   | 100.0  | 1     |       | 00.00 | 99.7   |
| 2 69       |       | -    | 100.0 | 100.0     |         |   |          |         |        | 100.0 | -     |       | 100.0  |
|            | -     |      |       |           |         |   |          |         |        |       | 1     |       |        |
| A          |       |      |       |           |         |   |          |         |        |       |       |       |        |
| A          |       |      |       |           |         |   |          |         |        |       |       |       |        |
| A          |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
| 41         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| <b>A</b> I |       |      |       |           |         |   |          |         |        |       |       |       |        |
| A1         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| ^          |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       | 1         |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
| AI         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| AI         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| AI         |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
| 3          |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
| AI         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| AI         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| ^          |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       | -      |
| ••         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| AI         |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
| AI         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| AI         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| A          |       |      |       |           |         |   |          |         |        |       |       |       |        |
|            |       |      |       |           |         | -   |          |         |        |       |       |       |        |
|            |       |      |       |           |         |   |          |         |        |       |       |       |        |
| 1 4        |       |      |       |           |         |   |          |         |        |       |       |       |        |
| Al         |       |      |       |           |         |   |          |         |        |       |       |       |        |
| MEAN       | 75.0  | 74.5 | 8.47  | 75.9      | 76.5    | 8.94  | 76.4     | 76.2    | 76.1   | 76.2  | 76.5  | 76.0  | 75.0   |
| 0          | 2.074 | 700  | 1.017 | - ARK     | 1 A O R | 4   | 100      | 1.000   | 083    | 2.014 | 1     | 9.190 | 2.045  |
| 200 11201  | 140   | •    | 200   |           |         |   |          | 3       |        |       |       |       |        |
|            |       |      |       |           | -       | 0   |          | 1 70    | a se c | 100   | 0 5 7 |       | 2000   |

### DAILY TEMPERATURES

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# DAILY AVERAGE/EXTREME TEMPERATURES

בתיים

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

AGANA, GUAM

41406 STATION

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STATION NAME

1946-1946 1948-1977

JANUARY

MONTH

|              |         | DATE           | 1973 | 1965# | 1965 | 1952 | 1963  | 1969# | 1966 | 1973# | 1963# | 1973* | 1973 | 1973 | 1973 | 1973* | 1973  | 1973* | 1973 | 1973  | 1973  | 1973 | 1973  | 1973  | 1973 | 1973  | 1973* | 1973* | 1973 | 1973 | 1973 | 1950  | 1969  | 1973    |
|--------------|---------|----------------|------|-------|------|------|-------|-------|------|-------|-------|-------|------|------|------|-------|-------|-------|------|-------|-------|------|-------|-------|------|-------|-------|-------|------|------|------|-------|-------|---------|
| Ь            | AE.     | ၁့             | 21.1 | 23.3  | 22.2 | 22.2 |       | 22.8  |      | •     | 21.7  | 21.1  | 21.1 | 21.7 | 20.0 | 21.7  | 21.1  | 21.1  | 20.6 | 21.1  | 21.1  | 21.7 | 20.0  | 21.7  | 20.0 | 20.0  | 21.1  | 22.2  | 21.1 | 20.0 | 19.4 | 21.1  | 21.1  | 19.4    |
| MINIMUM TEMP | EXTREME | J,             | 10   | 74    | 72   | 13   | 10    | 73    | 69   | 11    | 71    | 10    | 70   | 11   | 10   | 7.1   | 70    | 10    | 69   | 10    | 10    | 11   | 69    | 11    | 69   | 63    | 10    | 72    | 70   | 68   | 67   | 70    | 10    | 63      |
| M            |         | ٥,             | 24.2 | 24.6  | 24.1 | 24.0 | 23.9  | 24.2  | 24.0 | 24.1  | 24.1  | 23.8  | 24.1 | 23.9 | 23.9 | 23.8  | 23.7  | 53.9  | 23.7 | 23.7  | 23.7  | 23.7 | 23.7  | 24.1  | 23.8 | 23.8  | 23.5  | 23.8  | 24.0 | 23.7 | 23.3 | 23.7  | 23.7  | 53.9    |
|              | AVERAGE |                | •    |       | 75.3 | 75.2 | 75.0  | 75.5  | 75.2 | 75.4  | 75.4  | 4.9   | 75.3 | 12.1 |      | 6.91  | 74.7  | 0.67  | 74.7 | 74.7  | 74.7  | 74.6 | 74.7  | 75.3  | 14.8 | 74.8  | 74.3  | 6.91  | 75.2 | 74.7 | 14.0 | 74.6  | 74.7  | 75.0    |
|              |         | DATE           | 1971 | 1651  | 1971 | 1671 | 1971* | 1966# | 9961 | 1972* | 1972# | 1972* | 1972 | 1972 | 1972 | 1972  | 1972* | 1972  | 1964 | +2461 | #9261 | 1972 | 1972* | 1972* | 1972 | 1972* | 1973  | 1972* | 1961 | 1972 | 1972 | 1972# | *9961 | 1971#   |
|              |         | o°.            | 2    | 32.2  | 1.1  | 31.1 | 31.1  | 31.1  | 31.1 | 31.1  | 31.1  | 30.06 |      | .7   | 31.1 | 31.1  | 9.    | 31.7  | 32.2 | 1     | 31.1  | 31.7 | 31.7  | 31.7  | 31.7 | 31.7  | 31.7  | 31.7  | 31.7 | 31.7 | 31.7 | 31.1  | 31.1  | 32.2    |
| MAXIMUM TEMP | EXTREME | H <sub>o</sub> | 06   | 06    | 88   | 88   | 88    | 88    | 88   | 88    | 88    | 87    | 68   | 68   | 88   | 60    | 18    | 89    | 06   | 68    | 88    | 68   | 89    | 89    | 63   | 68    | 68    | 68    | 68   | 68   | 68   | 88    | 88    | 06      |
| MA           |         | ၁့             | 29.1 | 29.5  | 29.5 | 29.5 |       | 29.5  | 29.3 |       | 28.9  | 29.0  | 29.0 |      |      | 28.8  | 28.8  | 28.8  | 29.5 |       | 28.8  | 29.0 |       | 28.9  | 28.7 | 29.0  | 28.9  | 29.5  |      | 29.1 | 28.9 | 28.8  | 29.1  | 29.0    |
|              | AVERAGE | u,             | 84.3 | 85.1  | 84.5 |      |       | 84.5  |      | 84.6  | 0.48  | 84.2  |      | 63.9 | 84.1 | 83.8  |       | 83.9  | •    |       |       |      |       | 84.1  | 83.6 | 84.2  | 84.1  |       | 84.5 |      |      | 83.8  |       | 84.2    |
|              |         |                | 26.6 | 27.0  | 26.6 | 26.6 | 26.6  | 26.7  | 26.7 | 26.7  | 26.5  | 26.4  | 26.5 | 26.4 | 26.4 | 26.3  | 26.3  | 26.3  | 26.4 | 26.3  | 26.3  | 26.3 | 26.4  | 26.5  | 26.2 | 26.4  | 26.2  | 26.5  | 26.6 | 26.4 | 26.1 | 26.2  | 26.4  | 26.4    |
| MEAN TEMP    | AVERAGE | S              | 6.64 | 9     |      | 6    | 8.61  |       | 60.0 |       |       | 19.62 | 75.7 | 5    |      | 79.4  |       |       | 79.6 |       | 19.3  | *    | 19.5  | 79.7  | 79.2 |       | 79.2  | 19.7  | 19.9 |      | 19.0 | .2    | 19.5  | 9.64    |
|              |         | DAY °F         | -    | 2     | 3    | 4    | 2     | 9     | 7    | 8     | 6     |       |      | 12   | 13   | 14    | 15    | 16    | 17   | . 81  | 19    | 20   |       |       | 73   | 24    |       |       |      | 28   | 29   | 30    |       | Monthly |

\*ALSO ON EARLIER YEARS

#### 5725 DAILY A RAGE/EXTREME TEMP MAR 1978

#### DAILY AVERAGE/EXTREME TEMPERATURES MONTH FEBRUARY 1946-1946 1946-1977

|         | MEAN TEMP | EMP    |         | MA   | MAXIMONI PENE | 111  |       |                | N.   | LINE INCIDINITION | MA   |       |
|---------|-----------|--------|---------|------|---------------|------|-------|----------------|------|-------------------|------|-------|
|         | AVERAGE   | IGE    | AVERAGE | AGE  | EXTREME       | ME   |       | AVERAGE        | 36   | EXTREME           | EME  |       |
| DAY     | ı.        | ၁<br>့ | щ°      | ၁ွ   | u.            | 00   | DATE  | H <sub>o</sub> | ၁့   | ₽°                | ၁ွ   | DATE  |
| 1       | 79.5      | 56.4   | 84.3    | 29.1 | 88            | 31.1 | 1970# | 8.47           | 23.8 | 10                | 21.1 | 1968  |
| 2       | 79.5      | 26.4   | 84.4    | 29.1 | 88            | 31.1 | 1972* | 74.7           | 23.7 | 10                | 21.1 | 1950  |
| 3       | 79.1      | 26.2   | 83.8    | 28.8 | 88            | 31.1 | 1972  | 74.4           | 23.6 | 69                | 20.0 | 1973  |
| 4       | 79.4      | 26.3   | 84.1    | 28.9 | 88            | 31.1 | 1972* | 74.0           | 23.7 | 7                 | 21.7 | 1973  |
| 2       | 19.3      | 26.3   | 84.2    | 29.0 | 88            | 31.1 | 1972  | 74.3           | 23.5 | 10                | 21.1 | 1973  |
| 9       | 79.2      | 26.2   | 84.5    | 29.5 | 88            | 31.1 | 1970# | 73.9           | 23.3 | 10                | 21.1 | 1969  |
| 7       | 79.1      | 26.2   | 84.0    | 28.9 | 88            | 31.1 | 1966  | 1.97           | 23.4 | 70                | 21.1 | 1973* |
| 8       | 78.7      | 25.9   | 83.7    | 28.7 | 88            | 31.1 | 1966  | 73.6           | 23.1 | 69                | 18.3 | 1973  |
| 6       | 79.0      | 26.1   | 83.6    | 28.7 | 89            | 31.7 | 1972  | 14.4           | 23.6 | 6.9               | 0    | 1969  |
| 10      | 79.4      | 26.3   |         | 0    | 06            | 32.2 | 1972  | 14.4           | 23.6 | 68                | 20.0 | 1969  |
| 11      | 79.3      | 26.3   |         | 29.1 | 87            | 30.6 | 1972* | 74.3           | 23.5 | 10                | 21.1 | 1953  |
| 12      | 79.3      | 26.3   |         | 29.1 | 87            | 30.6 | 1967* |                | 23.5 | 1                 | 21.7 | 1959  |
| 13      | 79.5      | 26.4   |         | 29.5 | 16            | N    | 1946  | 4.91           | 23.6 | 72                | 22.2 | 1968  |
| 14      | 79.6      | 26.4   |         | 29.5 | 63            | 33.9 | 1946  | 14.0           | 23.7 | 10                | 21.1 | 1969  |
| 15      | 79.4      | 26.3   |         | 8    | 88            | 31.1 | 1966  | 74.7           | 23.7 | 80                | 20.0 | 1966  |
| 16      | 80.0      | 26.7   |         | 29.5 | 06            | 32.2 | 1946  | 74.8           | 23.8 | 72                | 22.2 | 1950  |
| 17      | 19.6      | 56.4   |         | 29.4 | 89            | 31.7 | 1946  | 14.4           | 23.6 | 69                | 20.6 | 1969  |
| 18      | 79.8      | 26.6   |         | 29.3 | 63            | 33.9 | 1946  | 14.8           | 23.8 | 10                | 21.1 | 1966  |
| 19      | 79.7      | 26.5   |         | 29.3 | 60            | 31.7 | 1966  | 74.7           | 23.7 | 70                | 21.1 | 1966  |
| 20      | 19.8      | 26.6   | 84.9    | 29.4 | 89            | 31.7 | 1946  | 74.7           | 23.7 | 7.1               | 21.7 | 1950  |
| 21      | 19.9      | 20.6   |         | 59.4 | 63            | 33.9 | 1946  | 14.9           | 23.8 | 17                | 21.7 | 1969  |
| 22      | 79.5      | 26.4   | 84.3    | 29.1 | 16            | 32.8 | 1946  | 76.0           | 23.7 | 70                | 21.1 | 1969# |
| 23      | 79.5      | 56.4   | 94.4    | 29.1 | 88            | 31.1 | 1972  | 74.5           | 23.6 | 71                | 21.7 | 19694 |
| 24      | 19.6      | 26.4   | 84.7    | 29.3 | 89            | 31.7 | 1946  | 74.5           | 23.6 | 10                | 21.1 | 1966  |
| 25      | 79.8      | 56.6   | 6.48    | 29.4 | 89            | 31.7 | 1946  | 76.7           | 23.7 | 71                | 21.7 | 1973  |
| 26      | 80.0      | 26.7   | 85.2    | 29.6 | 92            | 33.3 | 1946  | 14.8           | 23.8 | 7.1               | 21.7 | 1961  |
| 27      | 79.7      | 26.5   | 84.9    | 29.4 | 68            | 31.7 | 1961  | 74.5           | 23.6 | 70                | 21.1 | 1950  |
| 28      | 49.9      | 26.6   | 85.2    | 29.6 | 68            | 31.7 | 1972# | 74.7           | 23.7 | 10                | 21.1 | 19734 |
| 29      | 19.9      | 26.6   | 85.0    | 29.4 | 06            | 32.2 | 1972  | 74.7           | 23.7 | 70                | 21.1 | 1964  |
| 30      |           |        |         |      |               |      |       |                |      |                   |      |       |
| 31      |           |        |         |      |               |      |       |                |      |                   |      |       |
| Monthly | 79.8      | 26.4   | 84.5    | 29.2 | 63            | 33.0 | 1044  | 76.5           | 23.6 | 9.9               | 18.3 | . 072 |

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\*ALSO ON EARLIER YEARS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

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41406 STATION

STATION NAME

ACANA, GUAM

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1946-1946

STATION NAME

AGANA, GUAM

41406 STATION

MONTH MARCH

1948-1977

|         | MA   | MAN YIMMINA TEMB                        | QV.  |       |         | 200  | AATAITATI IAA TEAAD | 40   |       |
|---------|------|---|------|-------|---------|------|---------------------|------|-------|
|         |      | ייייייייייייייייייייייייייייייייייייייי | AIL. |       |         |      | INDIVIDIAL E        |      |       |
| AVERAGE | IGE  | EXTREME                                 | ME   |       | AVERAGE | ш    | EXTREME             | ME   |       |
| u.<br>° | ွ    | L.                                      | ပ    | DATE  | H°.     | ၁့   | ₽°                  | ပွ   | DATE  |
| 84.7    | 29.3 | 88                                      | 31.1 | 1966  | 74.4    | 23.6 | 69                  | 50.6 | 1966  |
| 85.2    | 29.6 | 88                                      | 31.1 | 1972* | 74.7    | 23.7 | 10                  | 21.1 | 1973* |
| 84.9    | 29.4 | 68                                      | 31.7 | 1966  | 74.5    | 23.6 | 63                  | 20.0 | 1969  |
| 85.1    |      | 89                                      | 31.7 | 1973# | 74.5    | 23.6 | 61                  | 19.4 | 1973  |
| 85.1    | 29.5 | 89                                      | -    | 1972* | 74.7    | 23.7 | 7.1                 | 21.7 | 1973* |
| 6.48    | 29.4 | 68                                      | 31.7 | 1964  | 74.7    | 23.7 | 68                  | 20.0 | 1966  |
| 85.0    | 29.4 | 06                                      | 32.2 | 1964  | 74.8    | 23.8 | 72                  | 25.2 | 1967  |
| 85.1    | 29.5 | 06                                      | 32.2 | 1964  | 74.2    | 23.4 | 70                  | 21.1 | 1967* |
| 84.7    | 29.3 | 88                                      | 31.1 | 1973  | 74.5    | 23.6 | 69                  | 20.0 | 1961  |
| 85.0    | 29.4 | 88                                      | 31.1 | 1969  | 75.1    | 23.9 | 72                  | 22.2 | 1953* |
| 84.6    | 29.5 | 87                                      | 30.6 | 1970* | 74.8    | 23.8 | 71                  | 21.7 | 1965  |
| 84.7    | 29.3 | 88                                      | 31.1 | 1973* | 75.2    | 24.0 | 10                  | 21.1 | 1964  |
| 84.6    | 29.5 | 88                                      | 31.1 | 1972# | 74.7    | 23.7 | 69                  | 19.4 | 1965  |
| 84.8    | 29.3 | 88                                      | 31.1 | 1972* | 74.6    | 23.7 | 99                  | 18.9 | 1965  |
| 85.0    | 29.4 | 88                                      | 31.1 | 1965# | 74.8    | 23.8 | 69                  | 20.6 | 1965  |
| 84.8    | 29.3 | 88                                      | 31.1 | 1965* | 74.7    | 23.7 | 12                  | 22.2 | 1965  |
| 85.0    | 29.4 | 06                                      | 32.2 | 1966  | 14.8    | 23.8 | 69                  | 20.6 | 1966  |
| 85.4    |      | 68                                      | 31.7 | 1969  | 74.8    | 23.8 | 71                  | 21.7 | 1965  |
| 85.3    | 29.6 | 89                                      | 31.7 | 1975# | 74.7    | 23.7 | 70                  | 21.1 | 1964  |
| 85.3    | 29.6 | 68                                      | 31.7 | 19734 | 74.6    | 23.7 | 7.1                 | 21.7 | 1974* |
| 85.2    | 29.6 | 06                                      | 32.2 | 1971  | 74.7    | 23.7 | 72                  | 22.2 | 1965  |
| 85.7    | 29.8 | 89                                      | 31.7 | 1969  | 74.8    | 23.8 | 10                  | 21.1 | 1966  |
| 85.4    | 29.7 | 06                                      | 32.2 | 1969  | 74.6    | 23.7 | 71                  | 21.7 | 1964  |
| 85.4    |      | 16                                      | 2    | 1969  | 74.8    | 23.8 | 72                  | 22.2 | 1964  |
| 85.4    | 29.7 | 68                                      | 31.7 | 1969  | 74.8    | 23.8 | 70                  | 21.1 | 1963  |
| 85.7    | 29.8 | 68                                      | 31.7 | 1969  | 75.1    | 23.9 | 72                  | 22.2 | 1973* |
| 85.7    | 29.8 | 89                                      | 31.7 | 1969* | 75.0    | 53.9 | 70                  | 21.1 | 1966  |
| 86.0    | 30.0 | 92                                      | 33.3 | 1964  | 75.5    | 24.2 | 73                  | 22.8 | 1950  |
| 85.7    | 29.8 | 63                                      | 33.9 | 1964  | 75.7    | 24.3 | 73                  | 22.8 | 1969* |

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6.64 80.2

26.7 26.7

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22

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23 24

80.1 80.1

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S

9

26.6 26.5 26.4

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7

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79.5

DAY

MEAN TEMP AVERAGE \*ALSO ON EARLIER YEARS

9611

1966

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75.5

1964

33.9 33.3

92 63

29.9

85.8

27.0

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Monthly

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27.1

28

0

53 30

26.7 56.9

90.4

25

0

56

27

4.08 80.7 99

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

AGANA, GUAM

STATION NAME

1946-1946 1946-1977

MONTH APRIL

|         | MEAN TEMP  | EMP  |         | MA   | MAXIMUM TEMP | MP   |       |         | N    | MINIMUM TEMP | EMP  |       |
|---------|------------|------|---------|------|--------------|------|-------|---------|------|--------------|------|-------|
|         | AVERAGE    | AGE  | AVERAGE | AGE  | EXTREME      | ME   |       | AVERAGE | 36   | EXTREME      | EME  |       |
| DAY     | <b>L</b> ° | ၁ွ   | L.      | ပွ   | u.<br>°      | ၁့   | DATE  | ٠<br>١  | ၁့   | ₽°           | ၁ွ   | DATE  |
| 1       | 80.8       | 27.1 | 85.9    | 29.9 | 06           | 32.2 | 1969  | 75.8    | 24.3 | 71           | 21.7 | 1965  |
| 2       | 80.7       | 27.1 | 85.7    | 29.8 | 16           | 32.8 | 1969  | 15.8    | 24.3 | 73           | 22.8 | 1964* |
| 3       | 80.9       | 27.2 | 85.8    |      | 16           | 32.8 | 1969  | 76.0    | 24.4 | 72           | 22.2 | 1964  |
| 4       | 80.7       | 27.1 | 85.9    | 59.9 | 06           | 32.2 | 1969  | 75.6    | 24.2 | 74           | 23.3 | 1976* |
| 2       | 80.8       | 27.1 | 86.0    | 30.0 | 16           | 32.8 | 1969  | 75.5    | 24.2 | 10           | 21.1 | 1965  |
| 9       | 80.7       | 27.1 | 86.0    | 30.0 | 26           | 33.3 | 1969  | 15.4    | 24.1 | 68           | 20.0 | 1965  |
| 7       | 80.8       | 27.1 | 96.0    | 30.0 | 06           | 32.2 | 1969  | 75.7    | 24.3 | 71           | 21.7 | 1965  |
| 8       | 90.08      | 27.0 | 85.7    | 29.8 | 89           | -    | 1970* | 75.5    | 24.2 | 72           | 22.2 | 1965# |
| 6       | 80.0       | 26.7 | 85.1    | 29.5 | 87           | 30.6 | 1972+ | 75.0    | 23.9 | 71           | 21.7 | 1950  |
| 10      | 80.7       | 27.1 | 85.6    |      | 89           | 31.7 | 1972  | 15.8    | 24.3 | 72           | 22.2 | 1965  |
| 11      | 80.5       | 56.9 | 85.5    | 29.7 | 680          | 31.7 | 1971* | 75.6    | 24.2 | 72           | 22.2 | 1953  |
| 12      | 80.8       | 27.1 | 85.8    | 59.6 | 68           | 31.7 | 1972* | 75.8    | 24.3 | 73           | 22.8 | 1967  |
| 13      | 81.2       | 27.3 | 86.1    | 30.1 | 26           | 33.3 | 1671  | 16.3    | 24.6 | 73           | 22.8 | 1950  |
| 14      | 81.0       | 27.2 | 86.1    | 30.1 | 16           | 32.8 | 1971  | 0.01    | 24.4 | 72           | 22.2 | 1950* |
| 15      | 6.08       | 27.2 | 85.9    | 59.6 | 16           | 32.8 | 1971  | 73.8    | 24.3 | 73           | 22.8 | 1981  |
| 16      | 80.8       | 27.1 | 85.7    | 29.8 | 95           | 35.0 | 1991  | 15.9    | 24.4 | 72           | 22.2 | 1961  |
| 17      | 80.5       | 56.9 | 85.3    | 29.6 | 89           | 31.7 | 1965  | 75.7    | 24.3 | 72           | 22.2 | 1981  |
| 18      | 81.0       | 27.2 | 6.58    | 29.9 | 96           | 35.6 | 1971  | 70.2    | 24.6 | 7.4          | 23.3 | 1968* |
| 19      | 81.0       | 27.2 | 85.6    | 29.8 | 06           | 32.2 | 1966  | 76.3    | 24.6 | 73           | 22.8 | 1952  |
| 20      | 80.8       | 27.1 | 85.9    | 29.9 | 06           | 32.2 | 1966* | 75.8    | 24.3 | 72           | 22.2 | 1972  |
| 21      | 81.1       | 27.3 | 86.2    | 30.1 | 06           |      | 1966  | 10.1    | 24.5 | 7.1          | 21.7 | 1972  |
| 22      | 81.3       | 27.4 | 86.3    | 30.2 | 06           | 32.2 | 1971+ | 10.4    | 24.7 | 71           | 21.7 | 1965  |
| 23      | 81.2       | 27.3 | 96.0    |      | 16           |      | 1971+ | 76.4    | 24.7 | 72           | 22.2 | 1972  |
| 24      | 1.         | 27.4 | 86.3    | 30.2 | 63           | 33.9 | 1966  | 10.4    | 24.7 | 73           |      | 1959  |
| 25      | -          | 27.3 | 86.1    | 30.1 | 16           | 32.8 | 1966  | 76.3    | 24.6 | 74           | 23.3 | 1962# |
| 56      | 81.0       | 27.2 |         | 59.9 | 68           | 31.7 | 1966  | 76.0    | 24.4 | 14           | 23.3 | 1972# |
| 72      | 81.1       | 27.3 | 85.9    | 56.6 | 68           | 31.7 | 1965  | 10.4    | 24.7 | 72           | 25.2 | 1969  |
| 28      | 80.8       | 27.1 | 85.7    | 29.8 | 89           | 31.7 | 1977* | 75.9    | 24.4 | 72           | 22.2 | 1963* |
| 53      | 81.0       | 27.2 | 65.7    | 29.8 | 68           | 31.7 | 1970  | 76.3    | 24.6 | 73           | 22.8 | 1972  |
| 30      | 6.08       | 27.2 | 85.8    | 29.9 | 89           | 31.7 | 1966* | 76.0    | 54.4 | 72           | 22.2 | 1981  |
| 31      |            |      |         |      |              |      |       |         |      |              |      |       |
| Monthly | 6.08       | 27.2 | 85.8    | 29.9 | 96           | 35.6 | 1971  | 15.9    | 24.4 | 69           | 20.0 | 1965  |

\*ALSO ON EARLIER YEARS

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41406 STATION

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# DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

AGANA, GUAM

STATION NAME

1946-1977

YEARS

MONTH AAM

| ME         | MEAN LEMP |     |         | TIM. | MAXIMOMITEME   | 11   |       |          | IAI  | INTERNATIONAL PENNIE | MIN  |       |
|------------|-----------|-----|---------|------|----------------|------|-------|----------|------|----------------------|------|-------|
| A          | AVERAGE   | -   | AVERAGE | 36   | EXTREME        | ME   |       | AVERAGE  | 3.6  | EXTREME              | ME   |       |
| L.         | ပ         |     | a,      | ၁ွ   | H <sub>o</sub> | ပ    | DATE  | ٥.<br>۲° | ၁့   | 9°                   | ၁ွ   | DATE  |
| 80         | .7        | .1  | 85.5    |      | 89             | 31.7 | 1966  | 76.0     | 24.4 | 72                   | 25.2 | 1950  |
| 90         | 8.        | 1.  |         | 29.7 | 06             | 32.2 | 1970  | 76.2     | 24.6 | 74                   | 23.3 | 1971* |
| 90         | .8 27.    | .1  |         | 29.8 | 06             | 32.2 | 1970  | 76.0     | 54.4 | 71                   |      | 1964  |
| 80.8       |           | .1  | 85.7    |      | 89             | 31.7 | 1970* | 75.8     | 24.3 | 73                   | 22.8 | 1968* |
| 81         |           |     | 85.9    | 59.9 | 68             | 31.7 | 1966  | 76.2     | 4.   | 73                   | 22.8 | 1972# |
| 81         | 2 0.      | .2  |         |      | 89             | 31.7 | 1947  | 76.1     |      | 71                   |      | 1972  |
| 90         | 8 2       | .1  | 85.7    | 29.8 | 89             | 31.7 | 1967  | 75.8     | 24.3 | 72                   | 22.2 | 1952  |
| 81         | 2 0.      | .2  | 85.8    | 29.9 | 89             | 31.7 | 1970+ | 76.3     | 24.6 | 73                   | 22.8 | 1968* |
| 90         | .9 2      | .2  | 86.1    | 30.1 | 89             | 31.7 | 1970# | 75.7     | 24.3 | 72                   | 22.2 | 1972  |
| 81         | .1        | .3  | 86.0    | 30.0 | 68             | 31.7 | 1970* | 76.2     | 24.6 | 71                   |      | 1972  |
| 81         | .3 27     | *   | 86.2    | 30.1 | 06             | 32.2 | 1970  | 76.4     | 24.7 | 72                   | 22.2 | 1972# |
| 81         | .5 27     |     | 86.3    | 30.2 | 06             |      | 1970  | 16.6     | 24.8 | 7.1                  | 21.7 | 1972  |
| 81         | .5 27     | .5  | 86.1    |      | 88             |      | 1975* | 76.8     | 54.9 | 74                   | 23.3 | 1951* |
| 180        | 4.        | 4.  | 86.3    | 30.2 | 63             | 33.9 | 1970  | 76.5     | 24.7 | 74                   |      | 1968* |
| 81         | 2         | *   | 86.4    | 30.2 | 26             | 33.3 | 1970  |          | 24.7 | 74                   | 23.3 | 19494 |
| 81         | .5 27     | .5  | 86.2    | 30.1 | 16             | 32.8 | 1970  | 76.7     | 24.8 | 74                   |      | 1972* |
| 31         | .4 27.    | *.  | 86.2    | 30.1 | 06             | 32.2 | 1970  | 70.7     | 24.8 | 72                   | 25.2 | 1966  |
| 81         | .0 27.    | .2  | 85.8    | 6.62 | 68             | 31.7 | 1969  | 76.3     | 24.6 | 74                   | 23.3 | 1967  |
| 81         | .3 27     |     | 86.3    | 30.2 | 88             | 31.1 | 1970* | 10.4     | 24.7 | 74                   | 23.3 | 1967* |
| 18         | .2 27     | • 3 | 85.9    | 6.62 | 06             | 32.2 | 1970  | 76.5     | 24.7 | 73                   | •    | 1965  |
| 81         |           | **  | 0.98    | 30.0 | 26             | 33.3 | 1971  | 10.6     | 24.8 | 14                   | 23.3 | 1981  |
| 81         | .4 27     |     | 86.5    | 30.3 | 06             | 32.2 | 1969  | 76.3     | 24.6 | 73                   | 22.8 | 1972  |
| 81         | .5 27     | .5  | 96.6    | 30.3 | 16             |      | 1966  | 16.4     | 24.7 | 70                   | 21.1 | 1951  |
| 81         | .7 27.    | 9.  | 86.6    | 30.3 | 06             | 32.2 | 1969  | 16.8     | 54.9 | 73                   | 22.8 | 1972  |
| 81         | .7 27     | 7.6 | 86.3    | 30.2 | 26             | 33.3 | 1969  | 77.1     | 25.1 | 74                   | 23.3 | 1964# |
| 81         | .9 27     | .7  | 86.5    | 30.3 | 06             | 32.2 | 1970* | 77.2     | 25.1 | 74                   | 23.3 | 1963  |
| 81         | .9 27     | .7  | 86.6    | 30.3 | 16             |      | *6961 | 77.3     | 25.2 | 74                   | 23.3 | 1967* |
| 81         | .9 27     | .1  | 86.5    | 30.3 | 16             | 32.8 | 1966  | 77.3     | 25.2 | 14                   | 23.3 | 1967* |
| 81         | .6 27     | 9.  | 86.5    | 30.3 | 16             | 32.8 | 1970* | 76.7     | 24.8 | 74                   | 23.3 | 1972# |
| 81         | .3 27     | . 4 | 86.4    | 30.2 | 96             | 34.4 | 1971  | 70.3     | 54.6 | 73                   | 22.8 | 1968* |
| 81         | .7 27     | • 6 | 86.6    | 30.3 | 16             | 32.8 | 1969  | 76.9     | 54.9 | 74                   | 23.3 | 1963* |
| Manchin D. | 20        | ,   | 1 70    | 30 1 | 70             | 3    | 1671  | 76 8     | 24.7 | 70                   | 3:   | 100.  |

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\*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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41406 STATION

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

1946-1977 STATION NAME AGANA, GUAM 41406 STATION

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YEARS

MONTH

JUNE

|              |         | DATE | 1961  | 1973  | 1968# | 1962  | 1965 | 1972* | 1972* | 1972* | 1972* | 1972* | 1949  | 1949 | 1967* | 1958 | 1952  | 1961 | 1967* | 1961 | 1972* | 1950 | 1967* | 1966 | 1961 | 1967* | 1968 | 1956 | 1962* | 1947 | 1947 |      |    | 1966    |
|--------------|---------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|------|-------|------|-------|------|-------|------|-------|------|-------|------|------|-------|------|------|-------|------|------|------|----|---------|
| ΛP           | ME      | ၁ွ   | 2     | 2     | 23.3  | 1:    | 2.   | 22.8  | 2.    | 23.3  | 2     |       | 21.1  | :    | 23.3  | 1:   | 2     | 2    | 3.    | 22.2 | 2.    | 3.   | 2.    | 21.1 | 22.2 | 23.3  | 21.7 | 22.2 | 23.3  | 22.2 | 21.7 | 22.2 |    | 21.1    |
| MINIMUM TEMP | EXTREME | J₀ F | 73    | 73    | 74    | 71    | 72   | 73    | 73    | 74    | 73    | 14    | 70    | 10   | 74    | 10   | 73    | 72   | 74    | 72   | 73    | 74   | 73    | 70   | 72   | 14    | 11   | 72   | 14    | 72   | 71   | 72   |    | 70      |
| W            |         | ၁့   | 24.8  | 54.9  | 25.0  | 24.8  | 54.9 | 24.7  | 24.8  | 24.8  | 24.7  | 25.0  | 25.0  | 25.1 | 25.2  | 25.1 | 24.9  | 25.1 | 54.9  | 25.1 | 25.1  | 25.0 | 25.1  | 25.1 | 24.8 | 54.9  | 24.8 | 24.7 | 24.8  | 24.7 | 24.9 | 25.1 |    | 54.9    |
|              | AVERAGE | 9 e  | 76.7  | 16.8  | 77.0  | 16.6  | 76.8 | 76.5  | 76.7  | 76.7  | 76.5  | 17.0  | 77.0  | 77.1 | 77.3  | 77.1 | 76.9  | 1.1  | 16.9  | 17.2 | 77.1  | 17.0 | 77.1  | 77.1 | 76.7 | 16.9  | 76.7 | 76.5 | 76.7  | 76.5 | 16.9 | 11.1 |    | 40.9    |
|              |         | DATE | 1969# | 1964# | 1969* | *6961 | 1961 | 1947  | 1964  | 1966* | 1970  | 1964  | 1966* | 1964 | 1964  | 1961 | 1966* | 1963 | 1964  | 1966 | 1969  | 1969 | 1974  | 1969 | 1969 | 1969  | 1969 | 1969 | 1974  | 1969 | 1969 | 1969 |    | 1969    |
| 4            | 1E      | ၁့   | 32.8  | 33.3  | 32.8  | 32.8  | 32.8 | 33.3  |       | 8     | 6     | 33.3  | 00    | 80   | •     | æ    | -     | 4    | ~     | 0    | 6     | 2    | 33.3  |      | 32.8 | 32.8  | 33.3 |      | 34.4  | 34.4 | 34.4 | 35.0 |    | 35.0    |
| MAXIMUM TEMP | EXTREME | LL o | 16    | 26    | 16    | 91    | ló   | 26    | 16    | 16    | 26    | 62    | 16    | 16   | 26    | 16   | 16    | 76   | 26    | 63   | 63    | 26   | 92    | 16   | 16   | 16    | 26   | 91   | 76    | *6   | 76   | 98   |    | 66      |
| MA           | E       | ၁့   | 30.4  | 30.0  | 30.5  | 30.2  | 30.3 | 30.4  | 30.4  |       | 30.3  | 30.3  |       |      | 30.4  | 30.5 | 30.5  | 30.9 | 30.7  | 30.7 | 30.0  | 30.5 |       | 30.2 |      | 30.4  | 30.1 | 30.1 | 30.4  | 30.1 | 30.3 | 30.4 |    | 30.4    |
|              | AVERAGE | T. o | 86.7  | 87.0  | 86.9  | 86.4  | 86.5 | 86.7  | 86.8  | 86.5  | 86.5  | 86.6  | 87.1  | 86.7 | 86.8  | 6.98 | 6.98  | 87.6 | 87.3  | 87.3 | 87.1  | 86.9 | 87.1  | 86.3 | 86.6 | 86.8  | 86.1 | 86.2 |       | 86.2 | 86.6 | 86.8 |    | 86.8    |
|              |         | ٥,   | 27.6  | 27.7  | 27.8  | 27.5  | 27.6 | 27.6  | 27.6  | 27.6  | 27.5  | 27.7  | 27.8  | 27.7 | 27.8  | 27.8 | 27.7  | 28.0 | -     | :    | 27.8  | 27.8 | 27.8  | 27.6 | 27.6 | 27.7  | 27.4 | 27.4 | 27.7  | 27.4 | 27.6 | -    |    | 27.7    |
| MEAN TEMP    | AVERAGE | u.   | 81.7  | 61.9  | 82.0  | 81.5  | 81.7 | 81.6  | 81.7  | 81.6  | 81.5  | 81.8  | 82.1  | 81.9 | 82.0  | 82.0 | 81.9  | 82.4 | 82.1  | 82.2 | 82.1  | 82.0 | 82.1  | 81.7 | 81.7 | 81.8  | 81.4 | 81.3 | 81.8  | 81.4 | 81.7 | 82.0 |    | 81.8    |
|              |         | DAY  | 1     | 2     | 8     | 4     | 2    | 9     | 7     | 8     | 6     | 10    | 11    | 12   | 13    | 14   | 15    | 16   | 17    | 18   | 19    | 20   | 21    | 22   | 23   | 24    | 25   | 26   | 27    | 28   | 29   | 30   | 31 | Monthly |

\*ALSO ON EARLIER YEARS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

AGANA, GUAM

41406 STATION

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STATION NAME

1946-1977

YEARS

MONTH

JULY

MINIMUM TEMP AVERAGE

EXTREME MAXIMUM TEMP

AVERAGE

MEAN TEMP AVERAGE

DAY

C

EXTREME

24.9

1969 1969

\$6961

967

1967

22.2

1981

24.7

10.4

1967\*

22.2

24.6

76.3

1969# \*5961

1969

1971

32.2 32.2 32.2

30.1

86.2 86.2 96.4

81.5

81.4

0

30.1 30.2

30.3

24.8

10.0 16.5

1969 1954 1969

32.2 32.2

32.2

30.2

9.98

27.4

91.6

81.3

86.3

30.5 30.1 30.1 30.3

86.3

86.1

27.4 27.2 27.5 27.4 27.4 27.4

81.3 81.0

86.1

24.7

23.3

22.8

1951

\*996

22.8 23.3

24.6

76.0

1974#

32.2

90

30.2

86.4 86.4 86.5 86.4 87.3 6.98 86.3 86.3 86.4 86.5 85.9

86.3

81.4

10

=

81.5

12 13 4 15 16 11 18 19 8

33.3

24.4

4

24.8

24.6 24.6

76.3 76.3

1970+

32.8 33.9 32.8

16

30.2 30.3 30.2

1964 1964 1969

69 200

22.2 23.3 21.7

22.2 22.2 22.2 22.2 21.7

24.4

16.0

24.7

10.4

24.8

16.6

\*6961

33.9

66

30.7

95 26

30.5 30.2 30.2

27.8

81.8

82.0

81.3

81.4

81.4

33.9

30.4

1969

35.0

24.8

25.1

70.0

1966

33.3 33.9 33.3 33.3

54.9

76.9

1969

63

6961 1966

1953 1966

33.3

92

30.3

30.2

27.6 27.6

81.6 81.4

24.8 24.6 24.6

76.5 76.3

24.7

1967

1110

1950

19961 956

1967 1953\*

1967\*

21.1

22.2

1968\* 696 646 1968 22.2

1967\*

1969

1952# 1962#

24.6

70.2

1966

30.5

30.1

24.5 24.5

1.01

1966 1966

00

30.5

86.4 86.3

27.3

30.1

86.2

27.4

27.3

81.1

81.6

22 23 24 25 92 27 28 53 30

21

30.2

86.5 86.1

27.4

81.3

33.3 32.8 32.8 32.8 32.8

4.01

76.1

1966\*

76.3

\$696T

ALSO ON EARLIER YEARS

1969

30.2

Monthly

31

0

30.1

**DIRNAVOCEANMET-SMOS** 

#### 25 DAILY AVERAGE/EXTEME TEMP MAR 1978

#### DAILY AVERAGE/EXTREME TEMPERATURES MONTH AUGUST YEARS

1946-1977

STATION NAME

AGANA, GUAM

41406 STATION

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

|                |         | DATE       | _     | 1952 | 7    | _    | -    | 1950 | 1951 | 1961  | -    | -    | _    | _     | 1961  | 1954# | _    |      | _     | _     | _    | 1960  | 1960  | _    | 1968  |      | _    | -    |       | -    | 1953  | 1949 | 1949  | 1967*   |
|----------------|---------|------------|-------|------|------|------|------|------|------|-------|------|------|------|-------|-------|-------|------|------|-------|-------|------|-------|-------|------|-------|------|------|------|-------|------|-------|------|-------|---------|
| IMP            | EME     | ၁့         | 21.7  | 22.8 | 22.8 | 22.8 | 21.7 | 21.7 | 22.8 | 21.7  | 22.8 | 22.8 | 22.2 | 21.7  | 21.1  | 22.2  | 22.8 | 21.1 | 23.3  | 22.2  | 21.7 | 21.7  | 21.7  | 22.8 | 22.8  | 22.2 | 22.2 |      | 22.2  | 22.8 | 22.2  | 21.7 | 21.1  | 21.1    |
| MINIMON LEMP   | EXTREM  | <b>4</b> 0 | 11    | 73   | 7.3  | 13   | 71   | 1    | 73   | 11    | 73   | 7.3  | 72   | 11    | 10    | 72    | 73   | 10   | 74    | 72    | 71   | 7.1   | 71    | 73   | 73    | 72   | 72   | 72   | 72    | 73   | 72    | 11   | 10    | 7.0     |
|                | E       | ٥,         | 24.6  | 24.6 | 54.4 | 54.4 | 24.7 | 24.3 | 24.7 | 24.6  | 24.7 | 54.6 | 54.4 | 54.4  | 24.2  | 54.4  | 54.6 | 24.6 | 24.8  | 24.6  | 24.4 | 24.3  | 24.3  | 24.6 | 24.8  | 24.5 | 24.7 | 54.5 | 24.6  | 24.5 | 24.7  | 24.7 | 24.8  | 54.6    |
|                | AVERAG  | 4°         | 10.3  | 76.2 | 76.0 | 15.9 | 70.5 | 75.7 | 16.5 | 76.2  | 76.5 | 16.3 | 15.9 | 15.9  | 75.5  | 15.9  | 16.3 | 16.3 | 76.7  | 76.2  | 75.9 | 75.8  | 13.8  | 76.2 | 16.6  |      | 76.5 | 70.1 | 10.3  | 1.01 | 16.5  | 4.01 | 10.0  | 76.2    |
|                |         | DATE       | 1977* | 1961 | 1970 | 1948 | 1977 | 1970 | 1966 | 19961 | 1966 | 1977 | 1966 | 1969* | 1970  | 1971* | 1966 | 1966 | 1969# | 1969* | 1969 | 1971# | 1971# | 1966 | 1971# | 1969 | 1969 | 1966 | 1971* | 1969 | 1977# | 1969 | 1969* | 1971+   |
|                | ME      | 000        | 32.2  |      | 32.2 | 32.2 | 32.8 | 32.8 | 32.8 |       | 32.8 | 32.8 |      | 32.2  |       | -     | 32.8 | N    | 32.8  |       | 32.8 | 32.2  |       | 33.3 | 32.8  | 32.8 | 33.3 | 32.8 | 33.3  | 32.8 | 32.2  | 33.3 | 33.3  | 33.3    |
| INCAMPAIN LEIM | EXTREME | LL o       | 06    | 680  | 06   | 90   | 91   | 91   | 16   | 16    | 16   | 16   | 9.1  | 06    | 62    | 89    | 16   | 16   | 16    | 16    | 16   | 06    | 91    | 26   | 16    | 16   | 26   | 16   | 62    | 16   | 90    | 26   | 26    | 92      |
|                | Ē       | 000        | 30.2  | 29.8 | 30.0 | 29.8 | 29.9 |      | 30.2 |       |      | 30.0 | 29.8 | 30.0  | 59.9  | 30.1  | 59.9 | 30.3 | 30.4  | 30.1  | 29.8 | 30.3  | 30.3  | 30.6 | 30.6  | 30.2 | 30.4 | 30.3 | 30.3  | 30.2 | 30.2  | 30.2 | 30.4  | 30.2    |
|                | AVERAGE | L o        | 86.3  | 5    | 86.0 | 8    | -    | 86.5 | 86.3 | 0.98  | 86.5 | 0    | 85.6 | 0.00  | -     |       | 62.6 | 0    | 86.8  | 0     |      | 86.5  | 99.98 | 87.0 | 87.4  | 86.3 | 86.7 |      | 86.5  | 86.3 | 96.4  |      | 86.8  | 0       |
| -              |         | ٥,         | 27.4  | 27.2 | 27.2 | 27.1 | 27.3 | 27.3 | 27.4 |       | 27.5 |      |      | 27.2  | 27.0  | 27.2  | 27.3 | 27.4 | 27.6  | 27.3  | 27.1 | 27.3  | 27.3  | 27.6 | 27.8  | 27.3 | 27.6 | 27.4 | 27.4  | 27.3 | 27.5  | 27.4 | 27.6  | 27.3    |
| ואובטוג ובואוו | AVERAGE | <b>L</b> 0 | 81.3  | 6.08 | 81.0 | 80.7 | 81.2 | 81.1 | 81.4 | 81.1  | 81.5 | 81.1 | 80.8 | 81.0  | 90.08 | 81.0  | 81.1 | 81.4 | 81.7  | 81.2  | 80.8 | 81.2  | 81.2  | 81.6 | 82.0  | 81.2 | 81.6 | 81.3 | 81.4  | 81.2 | 81.5  | 81.4 | 81.7  | 81.2    |
|                |         | DAY        | -     | 2    | 8    | 4    | 5    | 9    | 7    | 80    | 6    | 10   | 11   | 12    | 13    | 14    | 15   | 16   | 17    | 18    | 61   | 20    | 21    | 22   | 23    | 24   | 25   | 26   | 12    | 28   | 29    | 30   | 31    | Monthly |

\*ALSO ON EARLIER YEARS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA AGANA, GUAM

STATION NAME

STATION 41406

1945-1977

YEARS

SEPTEMBER

EXTREME MINIMUM TEMP

AVERAGE

EXTREME MAXIMUM TEMP

AVERAGE

MEAN TEMP AVERAGE

DAY

0

24.6 24.4

1968 996

1966#

1954#

22.2

24.6 24.6 24.4 24.4

76.2

1969#

32.2 32.8

32.8

1969

5

30.1

30.1

86.2 86.1

1.98

27.3

9

24.3

15.8

1969 1969

33.3

29.8 30.1

30.1

30.0

0.98

22.2 22.2 21.7

1984#

21.7 22.8

1952

1952 22.2 22.2 21.7

24.4

1971+

1969 1969

32.8

6 16

59.9

80.9

81.2 81.2 81.1 81.0

80.7

81.4

10 = 12 13 4 15 16 17 18 19 2 21 22 23 24 25 92 27 38 23 30

30.2 30.3

86.4

32.8 32.8

33.3

32.2

90

29.9

85.9 85.9

29.8

30.2

86.2

27.3 27.4 27.2 27.2 27.3 27.3 27.3 27.2 27.2 27.4 27.6 27.3 27.3

81.1 81.0

4.98

24.7

75.9 4.01 13.9 15.8 75.9

1971\*

32.2

54.4 24.4 24.2 24.4 24.4 24.4 24.5 24.6

13.0

1969

32.2

06

6

1969\*

32.8 32.8

6

30.4 30.0 30.0

86.8 86.6 86.0

1969\*

24.4

1955\* 9961

1948\* 1945 22.2 22.2

22.8

73

75.9

1969 1969

32.2 32.8 32.8 32.8

06

86.0

86.5

16

6 6

30.2

86.3

30.6

30.1

86.1 86.2

81.2

81.2

81.6

16

1956

1964

1966# 1961

22.2 22.8

1945 1945

0

10.1 76.3 10.1 10.3 10.0

1970\* 1970+

0.01

1969

24.6

1969 1972 1964

32.2 32.8

30.4

30.1

86.2

27.6

27.4

30.4 30.3

8.62

32.8

6

30.1

33.3

24.8

24.5

1966

1953\* 1953 22.8 22.8 21.1

100

1972\*

21.1

0

24.5

10.1

1970\*

33.3

85

30.2

86.3

27.3

81.2

Monthly

1954 1966

24.6

1971#

ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

MONTH

YEARS

1945-1977

STATION NAME

AGANA, GUAM

41406 STATION

OCTOBER

| NAVAL WEATHER SERVICE DETACHMENT | ASHEVILLE, NORTH CAROLINA |
|----------------------------------|---------------------------|

| o°.  | 412201222                              | 000000000000000000000000000000000000000 | - 2000 0 2000 4 2000 4 2000 4  | 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5  |
|------|--|---|--|--|
|      | -0202-252250                           |   | 2 30.1<br>3 30.2<br>3 30.2   | 7.4 86.7 30.4<br>7.4 86.9 30.1<br>7.5 86.9 30.5<br>7.4 86.5 30.3<br>7.4 86.5 30.3<br>7.4 86.5 30.3<br>7.4 86.5 30.3<br>7.5 86.8 30.2<br>7.6 86.8 30.2<br>7.6 86.8 30.2<br>7.7 86.1 30.1<br>7.2 86.1 30.1 |
| 32.8 | 0201121222222                          |   | 2 30.1<br>3 30.2<br>3 30.2   | 86.9 30.1<br>86.9 30.5<br>86.2 30.3<br>86.2 30.1<br>86.2 30.1<br>86.3 30.2<br>86.3 30.2<br>86.3 30.2<br>86.3 30.2<br>86.1 30.2<br>86.1 30.2  |
| 32.2 | 20112125221150                         |   | 9 30.5<br>9 30.5<br>9 30.2<br>9 30.2   | 86.9 30.5<br>86.7 30.5<br>86.5 30.1<br>86.5 30.1<br>86.8 30.2<br>86.8 30.2<br>86.8 30.2<br>86.8 30.2<br>86.8 30.2<br>86.8 30.3<br>86.1 30.1<br>86.1 30.1   |
| 33.3 | 0                                      |   | 30.5<br>30.0<br>30.0<br>30.2<br>30.2<br>30.2<br>30.2<br>30.2<br>30.2   | 86.5 30.2<br>86.5 30.1<br>86.5 30.2<br>86.3 30.2<br>86.3 30.2<br>86.5 30.2<br>86.5 30.3<br>86.5 30.2<br>86.5 30.3<br>86.1 30.1<br>86.1 30.1  |
| 32.2 |  |   | 30.0<br>30.1<br>30.2<br>30.2<br>30.2<br>30.2<br>30.4<br>30.4<br>30.4<br>30.4<br>30.2<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4<br>30.4 | 86.2 30.1<br>86.5 30.2<br>86.4 30.2<br>86.3 30.2<br>86.3 30.2<br>86.9 30.4<br>86.9 30.4<br>85.4 30.2<br>86.2 30.4<br>85.4 30.2<br>86.1 30.1  |
| 32.8 | - 2- 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 |   | 2 30.2<br>3 30.2<br>3 30.2<br>3 30.2<br>4 30.2<br>5 30.4<br>5 30.4<br>5 30.4<br>5 30.4<br>6 30.2<br>6 30.2<br>6 30.2<br>7 30.1   | 86.5 30.1<br>86.4 30.2<br>86.3 30.2<br>86.3 30.2<br>86.8 30.4<br>86.8 30.4<br>85.4 30.2<br>86.2 30.4<br>86.1 30.1<br>85.3 29.6   |
| 32.8 | 2-252250                               |   | 5 30.2<br>3 30.2<br>3 30.2<br>5 30.2<br>6 30.2<br>6 30.2<br>6 30.2<br>7 30.1   | 86.4 30.2<br>86.3 30.2<br>86.3 30.2<br>86.5 30.3<br>86.6 30.4<br>85.4 30.2<br>85.4 30.2<br>86.2 30.1<br>85.3 29.6<br>85.8 29.9   |
| 3.   | -2522250                               | 2128428101                              | 4 30.2<br>3 30.2<br>3 30.2<br>4 30.4<br>5 30.4<br>5 30.8<br>6 30.8<br>6 30.8<br>6 30.8   | 86.2 30.2<br>86.3 30.2<br>86.3 30.3<br>86.8 30.4<br>85.4 30.2<br>85.4 30.2<br>86.2 30.1<br>85.3 29.6<br>85.8 29.9  |
|      | 2022200                                |   | 3 30.2<br>3 30.2<br>6 30.4<br>6 30.2<br>6 30.2<br>7 30.1   | 86.3 30.2<br>86.3 30.2<br>86.8 30.4<br>85.4 30.2<br>85.4 30.2<br>86.2 30.1<br>85.3 29.6<br>85.8 29.6   |
|      | 5000000                                | 20220                                   | 3 30.2<br>8 30.4<br>4 30.2<br>6 30.2<br>5 30.1<br>1 30.1   | 86.3 30.2<br>86.8 30.4<br>85.4 30.2<br>85.4 30.2<br>85.2 30.1<br>85.3 29.6<br>85.8 29.6  |
| 3    | 22220                                  | <b>8</b> 2 8 3 3 3                      | .6 30.2<br>.6 30.2<br>.6 30.3<br>.7 30.1   | 86.8 30.4<br>86.8 30.4<br>86.4 30.2<br>86.2 30.1<br>85.3 29.6<br>86.1 30.1   |
| 33.3 | 2                                      | *28-4-                                  | .6 30.2<br>.6 30.3<br>.2 30.1<br>.3 29.6   | 86.8 30.4<br>85.4 30.2<br>85.6 30.3<br>85.2 30.1<br>85.3 29.6<br>85.8 29.9   |
| 33.3 | 7750                                   | 28101                                   | .6 30.2<br>.2 30.1<br>.3 29.6<br>.1 30.1   | 85.4 30.2<br>86.2 30.1<br>85.3 29.6<br>85.1 30.1<br>85.8 29.9  |
| 32.8 | 750                                    | 8-0-                                    | .6 30.1<br>3 29.6<br>1 30.1  | 86.2 30.1<br>86.2 30.1<br>85.3 29.6<br>86.1 30.1   |
| 32.8 | m 0                                    |   | .3 29.6<br>.1 30.1   | 85.2 30.1<br>85.3 29.6<br>86.1 30.1<br>65.8 29.9   |
| 33.9 | 0                                      | 0-1                                     | .3 29.6  | 85.3 29.6<br>86.1 30.1<br>85.8 29.9  |
| 32.2 | -                                      |   | .1 30.1  | 86.1 30.1  |
| 32.2 | 00                                     |   |  | 65.8 29.9  |
| 32.2 | 0                                      |   | .8 29.9  |  |
|      | 0                                      |   | .8 29.9  | 85.8 29.9  |
| 32.8 | 1,                                     |   | .9 30.5  | 86.9 30.5  |
| 32.8 | 7                                      |   | .5 30.3  | 86.5 30.3  |
| 32.2 | 0                                      | .3                                      | .5 30.3  | 86.5 30.3  |
| 33.3 | 75                                     | 30.4 92                                 | .7 30.4 9  | 86.7 30.4  |
| 32.8 | 1,1                                    | 1 0                                     | .2 30,1 9  | 86.2 30.1 9  |
| 32.2 | 0,                                     | 30.3 90                                 | .5 30.3  | 86.5 30.3  |
| 32.2 | 00                                     | .3                                      | .5 30.3  | 86.5 30.3  |
| 2    | -                                      | 0                                       | .8 29.9  | 85.8 29.9  |
| 32.2 | 0                                      | 29.9                                    | 6.62 6.  | 85.9 29.9  |
| 33.3 | 21                                     | 30.6 92                                 | .1 30.6  | 87.1 30.6  |
| 33.3 | 35                                     | 30.5 92                                 | 6 30.5   | 6 5.08 6.98  |
| 33.3 |  |   | .3 30.2 9  | 86.3 30.2 9  |
| 33.9 |  | .2 9                                    | .4 30.2 9  | 86.4 30.2 9  |

\*ALSO ON EARLIER YEARS

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

41406 STATION

STATION NAME

1945-1977

YEARS

MONTH NOVEMBER

| MEAN TEMP | - INIE |         |      | אואם ו ואוסואור בואו | 40   | -     | -       |      | MINISTRICION LEWIS | AL.  |       |
|-----------|--------|---------|------|----------------------|------|-------|---------|------|--------------------|------|-------|
| AVERAGE   | GE     | AVERAGE | GE   | EXTREME              | ME   |       | AVERAGE | 3.5  | EXTREME            | ME   |       |
|           | ٥, ٥   | 30      | ၁့   | 40                   | ٥,   | DATE  | ¥ °     | ၁ ့  | 40                 | ၁ွ   | DATE  |
| 4.        | 27.4   | 86.3    | 30.5 | 16                   | 32.8 | 1962  | 76.0    | 24.4 | 7.3                |      | 1951  |
| 1.5       | 27.5   | 96.4    | 30.2 | 16                   |      | 1969* | 76.6    | 24.8 | 7.2                |      | 1948  |
| 1.6       | 27.6   |         | 4.0€ | 16                   | 32.8 | 1969  | 76.3    | 24.6 | 13                 |      | 1960  |
| 1.7       | 27.6   | 86.8    | 30.4 | 26                   | 3    | 1970  | 76.7    | 24.8 | 72                 | 22.2 | 1991  |
| 1.5       |        | 0       | 30.2 | 05                   | 32.2 | 1970+ | 76.5    | 24.7 | 73                 |      | 1961  |
| 9.1       | 27.6   | 96.4    | 30.2 | 06                   |      | 1970# | 10.8    | 24.9 | 10                 |      | 1950  |
| 8.1       | 27.7   |         | 30.4 | 16                   | 2    | 1961  | 76.7    | 24.8 | 72                 |      | 1965  |
| 9.1       | 27.6   | 86.6    | 30.3 | 62                   | 3.   | 1966  | 10.0    | 24.8 | 73                 |      | 1963* |
| 1.3       | 27.4   | 86.3    | 30.2 | 26                   | 3    | 1970  | 16.3    | 24.6 | 68                 |      | 1961  |
| 1.5       | 27.5   | 86.5    | 30.3 | 26                   |      | 1970  | 10.0    | 24.8 | 72                 |      | 1953  |
| 81.2      | 27.3   | 86.0    | 30.0 | 26                   | 33.3 | 1970  | 76.2    | 24.6 | 17                 |      | 1975  |
| 81.3      | 27.4   | 86.1    | 30.1 | 26                   | 3.   | 1970  | 16.5    | 24.7 | 7.3                | 22.8 | 1953  |
| 1.1       | 27.3   | 85.9    | 29.9 | 6                    |      | 1970  | 16.3    | 24.6 | 72                 |      | 1953  |
| 81.8      | 27.7   | 86.4    | 30.2 | 06                   |      | 1970  |         | 25.1 | 76                 |      | 1965* |
| 81.4      | 27.4   | 86.2    | 30.1 | 06                   | 32.2 | 1969  | 16.7    | 24.8 | 73                 |      | 1965  |
| 81.0      | 27.2   | 6.58    | 59.6 | 89                   |      | 1971* | 76.1    | 24.5 | 70                 | 21.1 | 1966  |
| 81.2      | 27.3   | 85.7    | 29.8 | 89                   | 31.7 | 1971* | 76.7    | 24.8 | 70                 | 21.1 | 1966  |
| 81.0      | 27.2   | 85.7    | 29.8 | 16                   | 32.8 | 1970  | 76.3    | 24.6 | 10                 |      | 1966  |
| 1.2       | 27.3   | 85.8    | 29.9 | 16                   | 32.8 | 1964  |         | 24.7 | 70                 |      | 1966  |
| 1.1       | 27.3   | 85.6    | 29.8 | 16                   | 2.   | 1970+ | 76.5    | 24.7 | 72                 | 22.2 | 1949  |
| 6.08      | 27.2   | 85.4    | 29.7 | 92                   | 33.3 | 1970# | 10.4    | 24.7 | 72                 |      | 1965  |
| 81.2      | 27.3   | 85.7    | 29.8 | 92                   | 33.3 | 1970  | 70.7    | 24.8 |                    |      | 1950  |
| 6.08      | 27.2   | 85.5    | 29.7 | 16                   | 32.8 | 1964  |         | 24.6 | 7.0                | 21.1 | 1961  |
| 81.0      | 27.2   | 85.7    | 29.8 | 89                   |      | 1971* | 76.3    | 24.6 | 73                 |      | 1972* |
| 1.1       | 27.3   | 85.5    | 29.7 | 06                   | 32.2 | 1461  |         | 24.8 | 72                 |      | 1961  |
| 1.1       | 27.3   | 85.6    | 29.8 | 89                   | 31.7 | 1971* | 76.6    | 24.8 | 71                 |      | 1967  |
| 81.0      | 27.2   | 85.5    |      | 06                   | 32.2 | 1971  |         | 24.7 | 71                 |      | 1961  |
| 6.08      | 27.2   | 85.5    | 29.7 | 89                   |      | 1971  | 70.2    | 24.6 | 1,1                | 21.7 | 1966  |
| 6.08      | 27.2   | 85.6    | 29.8 | 89                   | 31.7 | 1962  | 76.2    | 24.6 | 72                 |      | 1967# |
| 80.8      | 27.1   | 85.5    | 29.7 |                      | 31.7 |       | 76.2    | 24.6 | 73                 | 22.8 |       |
|           |        |         |      |                      |      |       |         |      |                    |      |       |
| 6 18      |        | W 70    |      | ***                  |      |       | 3 76    |      |                    | 000  | 1013  |

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\*ALSO ON EARLIER YEARS

AGANA, GUAM

41406 STATION

12195 9/981

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

STATION NAME

1945-1977

YEARS

DECEMBER

MONTH

| MEAN LENF | LINIT |            |      | THE PROPERTY OF |      | +     |         | -    |         | MIL  |       |
|-----------|-------|------------|------|-----------------|------|-------|---------|------|---------|------|-------|
| AVERAGE   | GE    | AVERAGE    | SE   | EXTREME         | ME   |       | AVERAGE | 36   | EXTREME | ME   |       |
|           | 00    | <b>L</b> 0 | 0.   | ٠<br>١          | ٥, ٥ | DATE  | 40      | 00   | 40      | ၁ွ   | DATE  |
| . 8       | 27.1  | 85.3       | 29.6 | 06              | 32.2 | 1962  | 76.2    | 24.6 | 71      | 21.7 | 1963  |
| 6.        | 27.2  |            | 29.7 | 68              | 31.7 | 1965* | 76.3    | 24.6 | 10      | 21.1 | 1961  |
| 0.        | 27.2  |            | 29.8 | 06              | 32.2 | 1965  | 76.3    | 24.6 | 73      | 22.8 | 1968# |
| 0.        | 27.2  |            | 29.7 | 88              | 31.1 | 1971* | 76.5    | 24.7 | 69      | 50.6 | 1948  |
|           | 27.3  |            | 29.9 | 68              | 31.7 | 1965* | 76.3    | 24.6 | 10      | 21.1 | 1961  |
| 0.        | 27.2  |            | 29.8 | 88              | 31.7 | 1971* | 76.2    | 24.6 | 72      | 25.2 | 1961  |
| 0.        | 27.2  | 85.5       | 29.7 | 96              | 32.2 | 1970  | 76.5    | 24.7 | 73      | 22.8 | 1963  |
| 0.        | 27.2  |            | 29.8 | 06              |      | 1970  | 70.4    | 24.7 | 10      | 21.1 | 1963  |
| 6.        | 27.2  |            | 29.8 | 89              | 31.7 | 1971  | 70.2    | 24.6 | 71      | 21.7 | 1972  |
| 1.1       | 27.1  |            | 29.6 | 88              | 31.1 | 1971  | 76.1    | 24.5 | 73      | 22.8 | 1945  |
| .5        | 26.9  |            | 29.5 | 88              | 31.1 | 1971  | 20.0    | 24.4 | 7.1     | 21.7 | 1964  |
| 9.        | 27.0  | 85.3       | 29.6 | 88              | 31.1 | 1971* | 75.8    | 24.3 | 10      | 21.1 | 1969# |
| 4.        | 26.9  | 85.1       | 29.5 | 88              | 31.1 | 1971* | 75.7    | 24.3 | 7.1     | 21.7 | 1972  |
| 2.        | 26.8  | 84.7       | 29.3 | 200             | 30.6 | 19694 | 75.7    | 24.3 | 11      | 21.7 | 1953  |
|           | 27.1  |            | 29.4 | 68              | 31.7 | 1969# | 76.3    | 24.6 | 72      | 22.2 | 1963  |
| • 6       | 27.0  |            | 29.6 | 89              | 31.7 | 1968* | 76.0    | 24.4 | 10      | 21.1 | 1965  |
| . 8       | 27.1  |            | 29.7 | 88              | 31.1 | 1964  | 76.2    | 24.6 | 10      | 21.1 | 1972  |
| 4.        | 26.9  | 85.2       | 29.6 | 88              | 31.1 | 1971* | 75.6    | 24.2 | 72      | 22.2 | 1965* |
| .2        | 26.8  |            | 29.3 | 88              | 31.1 | 1966* | 75.7    | 24.3 | 11      | 21.7 | 1963  |
| .7        | 27.1  |            | 29.6 | 88              | 31.1 | 1971* | 1.07    | 24.5 | 7.1     | 21.7 | 1963  |
| *         | 56.9  |            | 29.4 | 88              | 31.1 | 1971* | 15.9    | 24.4 | 72      | 22.2 | 1963  |
| .5        | 56.9  | 5.         | 29.4 | 68              | 31.7 | 1962  | 76.0    | 24.4 | 72      | 22.2 | 1967  |
| .3        | 26.8  |            | 29.5 | 88              | 31.1 | 1962  | 76.0    | 24.4 | 11      | 21.7 | 1963  |
| .2        | 26.8  | 84.6       | 29.5 | 89              | 31.7 | 1962  | 15.8    | 24.3 | 72      | 22.2 | 1950# |
| -:        | 26.7  | 84.7       | 29.3 | 87              | 30.6 | 1971* | 75.5    | 24.2 | 71      | 21.7 | 1961  |
| .2        | 26.8  | 84.7       | 29.3 | 87              | 30.6 | 1971* | 75.8    | 24.3 | 70      | 21.1 | 1961  |
| .1        | 26.7  | 84.9       | 29.4 | 89              | 31.7 | 1970  | 15.4    | 24.1 | 11      | 21.7 | 1956  |
| .3        | 26.8  |            | 29.3 | 88              | 31.1 | 1971  | 75.8    | 24.3 | 7.1     | 21.7 | 1968  |
| 0.        | 26.7  | 84.6       | 29.5 | 88              | 31.1 | 1971* | 15.4    | 24.1 | 10      | 21.1 | 1968  |
| .2        | 26.8  | 84.7       | 29.3 | 87              | 30.6 | 1972* | 75.7    | 24.3 | 7.1     | 21.7 | 1965* |
| 80.2      | 26.8  | 84.7       | 29.3 | 68              | 31.7 | 1965  | 75.7    | 24.3 | 68      | 20.0 | 1962  |
| 5.0       | 24.9  | 85.1       | 29.5 | 00              | 22.2 | 10704 | 76.0    | 26.4 | 6.0     | 20.0 | 1042  |

\*ALSO ON EARLIER YEARS

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MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

YEARS

WHOLE DEGREES FARRENHETT

45-77

AGANA, GUAM

41406 STATION

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| MONTHS |     |    |     | 06 | 06  | 06 |    | 16   |     | 06 |     | 90 | 16          | 68 | 06  | 88  | 16  |    | 76  | 6    | 26  | 6  | 92  | 06  | 96  | 66  | 96 | 06   | 06 | 40  |      |       | -  |
|--------|-----|----|-----|----|-----|----|----|------|-----|----|-----|----|-------------|----|-----|-----|-----|----|-----|------|-----|----|-----|-----|-----|-----|----|------|----|-----|------|-------|--|
| DEC.   |     |    | 87  | 99 | 88  | 87 | 68 | 0.00 | 87  | 86 | 87  | 87 | 87          | 87 | 85  | 86  | 8.8 | 06 | 87  | 6.80 | 06  | 89 | 6.1 | 68  | 689 | 06  | 68 | 88   | 87 | 87  |      |       | -  |
| NO.    | 8.3 |    | 80  | 60 | 88  | 80 |    | æ:   | 60  | 68 | 8.3 | 68 | 88          | 8  | 8   | 80  | 8.3 |    | 68  | 85   | 0.0 | 65 | 16  | 68  | 6   | 92  | 06 | 68   | 88 | 87  |      |       |  |
| OCT.   |     |    | 600 | 68 | 8   | 68 | 92 | 80   | 06  | 80 | 06  | 06 | 86          | 88 | 89  | 80  | 87  | 92 | 26  | 16   | 36  | 6  | 36  | 06  | 63  | 91  | 16 | 90   | 68 | 16  |      |       | -  |
| SEP.   | 69  |    | 06  | 87 | 06  | 89 | 06 | 6    |     | 88 |     | 88 | 69          | 80 | 88  | 88  | 06  | 92 | 68  | 16   | 06  | 68 | 06  | 90  | 85  | 92  | 16 | 90   | 88 | 06  |      |       | -  |
| AUG.   |     |    | 06  | 06 | 8   | 06 | 96 | 8    | 89  | 68 | 89  | 88 | 60          | 8  | 68  | 87  | 89  | 68 | 88  | 16   | 26  | 92 | 89  | 88  | 92  | 85  | 26 | 06   | 06 | 60  |      |       |  |
| JUL.   |     |    | 06  | 88 | 68  | 88 | 06 | 9.0  | 20  | 06 | 200 | 8  | 16          | 68 | 88  | 88  | 6   | 88 | 06  | 66   | 68  | 6  | 68  | 23  | 56  | 9.1 | 06 | 20   | 06 | 06  |      |       | -  |
| J.     |     |    | 26  | 68 | 89  | 88 | 06 | 68   | 89  | 06 | 8.7 | 06 | <b>3</b> 23 | 28 | 06  | 88  | 63  | 80 | 76  | 92   | 88  | 6  | 89  | 88  | 95  | 92  | 06 | 0.00 | 06 | 96  |      |       |  |
| MAY    |     |    | 600 | 60 | 9   | 80 | 88 | 89   | 88  | 80 | 99  | 60 | 06          | .0 | 8.1 | 88  | 90  | 20 | 69  | 06   | 06  | 16 | 8   | 68  | 92  | 6.0 | 96 | 88   | 62 | 8.1 |      |       | The second secon |
| APR.   |     |    |     | 90 | 88  | 0  | 99 | 90   | 8.1 | 88 | 98  | 81 | 87          | 20 | 6   | 30  | 87  | 88 | 06  | 6.8  | 86  | 63 | 83  | 88  | 92  | 86  | 96 | 68   | 68 | 88  |      |       | Section of the Control of the Contro |
| MAR.   |     |    |     | 20 | 98  | 87 | 80 | 06   | 98  | 18 | 87  | 86 | 87          | 88 | 86  | 88  | 67  | 96 | 68  | 63   | 68  | 06 | 8.1 | 88  | 92  | 68  | 06 | 88   | 89 | 97  |      |       | The second secon |
| E      |     |    |     | 87 | 8 8 | 88 | 88 | 87   | 8.  | 87 | 88  | 48 | 84          | 87 | 88  | 98  | 87  | 40 | 87  | 88   | 88  | 89 | 68  | 88  | 83  | 88  | 60 | 8    | 84 | 98  |      |       | -  |
| JAN.   |     | 80 |     | 87 | 48  | 86 | 99 | 88   | 88  | 98 | 88  | 50 | 99          | 67 | 8.7 | 90  | 60  | 98 | 60  | 06   | 60  | 88 | 8   | 80  | 98  | 88  | 06 | 68   | 68 | 87  |      |       |  |
| YEAR   | 4.5 | 94 | **  | @  | 64  | 90 | 16 | 52   | 53  | 34 | 53  | 98 | 57          | 28 | 66  | 0.0 | 19  | 62 | 6.9 | 90   | 65  | 99 | 67  | 6.6 | 69  | 20  | 14 | 72   | 73 | 14  | MEAN | S. D. |  |

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NAVWEASERVCOM

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

WHOLE DEGREES FAHRENHEIT

YEARS

45-77

AGANA, GUAM

41406 STATION

| MONTH JAN.     | Ę     | MAR.  | APR.           | MAY   | NO.   | JUI.  | AUG.  | SEP   | . 100 | NON  | DEC.  | MONTHS |
|----------------|-------|-------|----------------|-------|-------|-------|-------|-------|-------|------|-------|--------|
| 80 80<br>80 80 | 8 8   | 0 00  | 00 00<br>00 00 | 20 CD | 80 80 | 91    | 900   | 16    | 90    | 25 W | 80 80 | 16     |
| 83             | 98    | 98    | 80             | 683   | 8.0   | 00    | 16    | 16    | 68    | 80   | 6.6   | 16     |
|                |       |       |                |       |       |       |       |       |       |      |       |        |
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|                |       |       |                |       |       |       |       |       |       |      |       |        |
|                |       |       |                |       |       |       |       |       |       |      |       |        |
| 86.9           | 86.7  | +     | 88.4           | -     | 0     | 89.6  | 89.5  | 89.7  | -     |      | 8     | 91.4   |
| 1.491          | 1.557 | 1.781 | 2.251          | 1.907 | 2.182 | 1.872 | 1.525 | 1.334 | -     | -    | 1.367 | 1.955  |
| 961            | 848   | 930   | 900            | 96.1  | 030   | 196   | 140   | 870   | 196   | 000  | 1 40  | 79111  |

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MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

YEARS WHOLE DEGREES FAHRENHEIT 45-77

AGANA, GUAM

41406 STATION

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| 2 2 2 2 2 2 2                           |     | WAK. | APR. | MAY | , NOT | JUL. | AUG.            | SEP  | OCT. | NOV | DEC. | MONTHS   |
|---|-----|------|------|-----|-------|------|-----------------|------|------|-----|------|----------|
| 2 2 2 2 2 2                             |     |      |      |     |       |      |                 |      | 10 C |     | ec c | HAX TEMP |
| 1 6 8 2 2                               | 00  |      |      |     |       |      |                 |      | 06   |     | 30   | DAYS     |
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| 29 23                                   |     |      |      |     |       |      |                 |      |      | 60  |      | MAX TEND |
| 2 2 2 2                                 |     |      |      |     |       |      |                 |      |      | 53  |      |          |
| 20 52                                   |     |      |      |     |       |      |                 | 06   |      |     |      | MAX TEED |
| 20 52                                   |     |      |      |     |       |      |                 | 50   |      |     |      |          |
| 75                                      |     |      |      |     |       |      |                 | a) v |      |     |      | MAX TEXP |
| 13 5                                    |     |      |      |     |       |      |                 | 4.3  |      |     |      | CANO     |
| 5                                       |     |      |      |     |       |      |                 |      |      | 70  |      | DAYS     |
|   |     |      |      |     |       |      |                 | 00   |      |     |      | MAX TEMD |
|   |     |      |      |     |       |      |                 | 53   |      |     |      | DAYS     |
|   |     |      |      |     |       |      |                 |      |      |     |      |          |
|   |     |      |      |     |       |      |                 |      |      |     |      |          |
|   |     |      |      |     |       |      |                 |      |      |     |      |          |
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|   |     |      |      |     |       |      |                 |      |      |     |      |          |
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| 1.0                                     |     |      |      |     |       | 4    | The same of the |      |      |     |      |          |
|   |     |      |      |     |       |      |                 |      |      |     |      |          |
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|   |     |      |      |     |       | 12.  |                 |      |      |     |      |          |
| MEAN                                    |     |      |      |     |       |      |                 |      |      |     |      |          |
| S. D.                                   |     |      |      |     |       |      |                 |      |      |     |      |          |
| TOTAL OBS.                              |     |      |      |     |       |      |                 |      |      |     |      |          |

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MINIMUM TEMPERATURE

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AGANAS GUAM

41406 STATION

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FROM DAILY OBSERVATIONS

WHOLE DEGREES FAMRENHEIT

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AGANA, GUAM

41406 STATION

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| MONTHS | 70   | 72 |  |  |  |    |   |  | 10.0  | 74111  |           |
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| DEC.   | 35   | *  |  |  |  |    |   |  | 126.0 | 206.2  |           |
| NO N   | 102  | 13 |  |  |  |    |   |  | 2061  | 040    |           |
| OCT.   | 2.5  | 2  |  |  |  |    |   |  | 1887  | 90     |           |
| SEP.   | 75   | *  |  |  |  |    |   |  | 6.21  | 900    |           |
| AUG.   | 74   | 11 |  |  |  |    |   |  | 0.21  | 140    |           |
| JUI.   | 7.5  | 16 |  |  |  | -6 |   |  | 13.1  | 7.001  |           |
| NO.    | 1.02 | 92 |  |  |  |    | <i>b</i>                                  |  | 13.5  | 05000  | 200       |
| MAY    | 74   | 13 |  |  |  |    |   |  | 13.3  | 000    | •         |
| AP.    | 7.0  | 2  |  |  |  |    | W. C. C. C. C. C. C. C. C. C. C. C. C. C. |  | 0.67  | 006    |           |
| MAR.   | 7.5  | 14 |  |  |  |    | 100                                       |  | 11.0  | 020    | 2         |
| 5      | 22   | 2  |  |  |  |    |   |  | 1100  | K. 00+ |           |
| JAN.   | 22   | 72 |  |  |  |    |   |  | 0.21  | 140    |           |
| YEAR   | 75   | =  |  |  |  |    | 170                                       |  | MEAN  | S. D.  | - CO 1410 |

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5723 Extreme Values Jan 1969

**EXTREME VALUES** 

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MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

/BASED ON LESS THAN FULL MONTHS/

45-77

STATION NAME

AGANA, GUAM

YEARS

NAVWEASERVCOM

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| STATION     |     |            |      |      | STATION NAME |        |          |             |  |              |            | YEARS          |                                    |          |         | HONTH              | HTH    |
|-------------|-----|------------|------|------|--------------|--------|----------|-------------|--|--------------|------------|----------------|------------------------------------|----------|---------|--------------------|--------|
|             |     |            |      |      |              |        |          |             |  |              |            |                |                                    |          |         | PAGE 1             | LST.)  |
| Temp.       | 1   | I +        | I +  | 1    |              |        | ET BULB  | TEMPERATU   | WET BULB TEMPERATURE DEPRESSION (F)  | F)           |            |                |                                    | TOTAL    |         |                    |        |
|             | 0   | 1.2        | 3.4  | 5.6  | 7.8          | 9 - 10 | 1 - 12 1 | 3 . 14 15 . | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 | 20 21 - 22 2 | 13 - 24 25 | - 26 27 - 28 2 | . 30 = 31                          | 1        | Dry Bu  | Wet Bulb Dew Point | Dew Po |
| 88/87       |     |            |      | •    | 0            | ~      | ~        | ~ ~         |  |              |            |                |                                    |          | 9 4     | 9 4                |        |
| 1.          | 1   | +          |      |      |              |        |          | 5.          | +  | 1            | -          | +              | -                                  |          |         | - 0                |        |
| 80 / 68     |     | •          | 2.0  | 0 0  | 2 2          | 0 0    | 0.0      | :-          |  |              |            |                |                                    | - ^      | 236 238 | 9 00               |        |
| 1.          | +   |            | 3.   | 1    | 7 6          |        | 2        | •           |  |              |            |                |                                    | 10       |         | - 2                |        |
| 70/ 77      |     | 0 6        | 10   | - "  |              | . 4    |          |             |  |              |            |                |                                    |          |         | 1-                 | 22     |
|             | -   |            |      | 7 6  | 0            | -      |          |             |  |              | -          |                | -                                  | -        |         |                    |        |
| 747 73      |     |            | 10   | 0    |              | •      | -        |             |  |              |            |                |                                    | •        |         |                    | 316    |
| -           | 0   |            | 1    |      |              |        |          | -           |  |              |            |                |                                    |          |         |                    |        |
|             |     | 1          |      | !-   |              |        |          | -           |  |              |            |                |                                    |          | 10 10   |                    |        |
|             |     | -          |      | •    |              | -      | -        |             |  |              |            |                |                                    |          |         |                    |        |
|             |     | :          | :    |      |              |        |          |             |  |              |            |                |                                    |          |         | 3                  | 64     |
|             |     |            |      |      |              |        |          |             |  |              |            |                |                                    |          |         | 1                  |        |
|             |     |            |      |      |              |        |          |             |  |              |            |                |                                    |          |         |                    |        |
| DTAL        | • 2 | 8.827.033. | 7.03 | 3.51 | 518.7        | 9.5    | 1.7      | •           |  |              |            |                |                                    |          | 1240    |                    | 1240   |
|             |     |            |      |      |              |        |          |             |  |              |            |                |                                    | 12       | 1240    | 1240               |        |
|             |     |            |      |      |              |        |          |             |  |              |            |                |                                    |          |         |                    |        |
|             |     |            |      |      | 1            |        |          |             |  |              |            |                | -                                  | 1        | +       |                    |        |
|             |     |            |      |      |              |        |          | -           |  |              |            |                |                                    |          |         |                    |        |
|             |     |            |      |      |              |        |          |             |  |              |            |                |                                    |          |         |                    |        |
|             |     |            | -    |      |              |        |          |             |  |              |            |                |                                    | -        | -       |                    |        |
|             |     | +          |      |      |              |        |          |             |  |              |            |                |                                    | -        |         |                    |        |
|             |     |            | 1    |      |              |        |          |             |  |              |            |                | +                                  | +        | -       |                    |        |
|             |     |            |      |      |              |        |          |             |  |              |            |                |                                    |          |         |                    |        |
|             |     |            |      |      |              |        |          |             |  |              |            |                |                                    | _        |         |                    |        |
|             |     | -          |      |      |              |        |          |             |  |              |            |                |                                    |          |         |                    |        |
| Element (X) | 1   | X          | 1    | 1    | X            | +      | ×        | ×           | No. Obs.   | 100          | 200        | 1              | Wedn No. or nours with temperature | with lem |         | -                  | 1      |
| Ref. Hum.   |     | 7522108    | 108  | 5    | 2976         | +      | 77.4     | 8.090       | 1240   | 40 F         | = 32 F     | +              |                                    |          |         | 293 F              | lotal  |
| Dry Bulb    |     | 7809       | 868  | 5    | 18324        | +      | +        | 3.289       | 1240   |              | +          | 144.0          | 62)                                |          | 369.6   | +                  | 0      |
| Wet Bulb    |     | 6754581    | 581  | 5    | 91471        | +      | 73.8     | 2.384       | 1240   |              | 1          | 740.4          | 4 243.4                            | *        | 9.      | +                  | 144.0  |
| Dew Point   |     | 6320       | 245  | •    | RESE         | -      | -        | 2 811       | 1260   |              |            | 702.0          | 403                                | •        | 4       |                    | 144    |











PSYCHROMETRIC SUMMA JAN 68























5 5 PSYCHROMETRIC SUMMA JAN 68

|  | WET BULB TEM<br>9 - 10   11 - 12   13 - 1 | 040040 |  |  | X 0x No. Obs.  Mean No. of Hours with Temperature 38 77.0 9.702 1128 50F 532F 267F 280F |
|--|---|--------|--|--|---|
|--|---|--------|--|--|---|

| STATION         |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|-----------------|---|-----|---------|----------------------|-------|-----|---------|-------------------------------------|-----------|----------|---------|----|--------|--------|-----------|-----------|------------------------------------|--------|--------|-------|
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        | PAGE 1 | 1.8.1 |
| Temp.           | • |     |         | 4                    | 1     | 0   | WET BUL | WET BULB TEMPERATURE DEPRESSION (F) | URE DEPRE | SSION (F | 1 31 33 | 33 | 26 36  | 27 30  | 00        | 150       | TOTAL                              | 4      | TOTAL  |       |
| 88/ 87          |   |     | +-      | -                    |       | 1   | .2      | 2                                   |           |          |         |    |        |        | 3         |           | 3                                  | 5      |        |       |
|                 |   |     | -       | 1 .2                 | 2.4   | 273 | 1.7     | .2                                  |           |          |         |    |        |        |           |           | 101                                |        |        |       |
| 84/83           |   |     |         | 3 2.8                | 6.1   | •,  | •       |                                     |           |          |         |    |        |        |           |           | 185                                | 185    |        |       |
|                 |   |     | 300     | 100                  | 4.6   |     |         | +                                   | +         | -        |         |    |        |        |           |           | 227                                |        |        |       |
| 80/ 79          |   |     | 113.0   | 1.113.013.5          | 2.7   |     |         |                                     |           |          |         |    |        |        |           |           | 363                                | 363    | 10     | 2 .   |
|                 | • | 7   | 318.    | 200                  | 7.    |     |         | -                                   | -         |          |         |    |        |        | 1         |           | 263                                |        | 1      | 1     |
| 76/ 73          |   | :   | •       |                      |       |     |         |                                     |           |          |         |    |        |        |           |           | 36                                 | 30     | 206    | 199   |
|                 |   |     |         |                      |       |     |         |                                     | +         |          |         |    |        |        |           |           |                                    |        | 2 4    |       |
| _               |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        | 20     |       |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
| - 1             |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
| 64/ 63<br>TOTAL |   |     | 32      | A. 132 722 315 610 2 | 18.6  | 0   | 4       | •                                   |           |          |         |    |        |        |           |           |                                    | 1300   |        | 130   |
|                 |   |     | 1       |                      |       | 2   |         | :                                   |           |          |         |    |        |        |           |           | 1200                               |        | 1200   | 1     |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|                 |   |     | 1       |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
|                 |   |     |         |                      |       |     |         |                                     |           |          |         |    |        |        |           |           |                                    |        |        |       |
| Element (X)     |   | 2×2 |         |                      | 1X    | -   | ×       | σ×                                  | No. Obs.  | bs.      |         |    |        | Mean N | to. of Ho | ours with | Mean No. of Hours with Temperature | ture   |        |       |
| Rel. Hum.       |   | 734 | 12647   |                      | 9332  | -   | 77.8    | 8.373                               |           | 1200     | ± 0 F   | -  | ≥ 32 F | 2 67 F | 2         | ≥73 F     | ≥80 F                              | ≥ 93 F |        | Total |
| Dry Bulb        |   | 77. | 7775354 |                      | 9654  | -   | 5.0     | 2.593                               |           | 500      |         |    |        | 720.   | 0 72      | 0.0       | 394.8                              | 80     |        | 720.0 |
| Wet Bulb        |   | 673 | 6739442 |                      | 89910 |     | 14.9    | 1.564                               |           | 1200     |         |    |        | 720.0  | 0 68      | 687.6     |                                    | 0      |        | 720.0 |
| Dew Point       |   | 633 | 39066   |                      | 8718  | -   | 2.7     | 2.072                               |           | 002      |         |    |        | 718    | 8 51      | 516.0     | 1.2                                | 2      |        | 720.  |

5 PSYCHROMETRIC SUMMA JAN 68

| WET BURN THOUSE AND THE TOTAL |            |          |              |      |      |      |     |       |         |      |        |        |        |       |       |    |         |      |      |          |          |           |        | PAGE 1   | -         |
|---|------------|----------|--------------|------|------|------|-----|-------|---------|------|--------|--------|--------|-------|-------|----|---------|------|------|----------|----------|-----------|--------|----------|-----------|
| March   Marc  |            | -        |              |      |      |      |     |       |         |      |        |        |        |       |       |    |         |      |      |          | -        | -         |        | HOURS    | 1.5       |
| 13  | Temp.      | •        | 1.2          | 3.4  |      | 1    |     | 10 II | . 12 13 | . 14 | 5 . 16 | DEPRE: | 19 - 2 | 0 21. | 22 23 |    | 25 - 26 |      | 29 . | 30       |          |           | Bulb   | Wet Bulb | Dew Point |
| 1 1 2 2 7 4 7 8 1 3 0 2 2 4 2 9 5 1 9 1 0 0 1 1 2 1 1 0 1 0 1 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1   | -          |          |              | .2   | •    |      | 160 | 000   | 90      | 7.   |        |        |        |       |       |    |         |      |      |          |          | 90        | 130    |          |           |
| 77 1 1 1 5 1 0 2 1 1 1 2 1 0 2 1 1 1 2 1 1 2 1 2 1  |            | <b>.</b> | 2.           | 24   | 4 0  |      | -   | 0 -   | .2      |      |        | 4      |        |       |       |    |         |      |      |          |          |           | 241    |          |           |
| 1   |            | 0        | 9            | 17.5 | 10.2 |      |     | -     | -       |      |        |        |        | -     | +     |    |         |      | -    | +        |          |           | 439    | 78       |           |
| 73 .1 1.5 .2 .1  71   |            |          |              | 6.7  | 5    | •    | -   |       |         |      |        |        |        |       |       |    |         |      |      |          |          |           | 159    | 364      |           |
| 171 160 172 171 171 171 171 171 171 171 171 171   |            |          |              | .2   | •    | _    |     |       |         |      |        |        |        |       |       |    |         |      |      |          |          | 23        | 23     | 565      |           |
| 1240 1240 1240 1240 1240 1240 1240 1240   |            | 3        |              |      |      |      | -   | +     | 1       | 1    |        |        |        | +     | +     |    |         |      | -    |          | -        | +         |        | 221      |           |
| 1240 1240 1240 1240 1240 1240 1240 1240   |            | 0        |              |      |      |      |     |       |         |      |        |        |        |       |       |    |         |      |      |          |          |           |        |          |           |
| 1240     | 1          |          | 214.6        | 33.7 | 24.4 | 115. | 210 |       |         | 7:   |        |        |        |       |       |    |         |      |      |          |          | -         | 240    |          | 1240      |
| Σχ <sup>2</sup> Σχ X α α No. Ob. Mean No. of Hour, with Temperotive  T945333 98599 77 × σ α 1240  |            |          |              |      |      |      |     |       |         |      |        |        |        |       |       |    |         |      |      |          | 7        | 040       |        | 1240     |           |
| \$\int x^2\$       \$\int x\$       <   |            |          |              |      |      |      |     |       | £ .     |      |        |        |        |       |       |    |         |      |      |          |          |           |        |          |           |
| \$\int x^2\$       \$\int x\$       <   |            |          |              |      |      |      |     | -     |         |      |        |        |        |       |       |    |         |      |      | -        |          |           |        |          |           |
| 2x²       2x       X       X       No. Obs.       Mean No. of Hours with Temperature         7945333       98599       79.5       9.214       1240       30F       327F       237F       207F       297F         8158280       100528       81.1       2.000       1240       744.0       744.0       744.0       739.6       16.0.8  |            |          | 15           |      |      |      |     |       |         |      |        |        |        | -     |       |    |         |      |      |          |          |           |        |          |           |
| \$\infty x^2\$       \$\infty x\$       \$\infty x\$<  |            |          |              |      |      |      | -   | -     |         |      |        |        |        | -     |       |    |         |      |      |          |          |           |        |          |           |
| Σχ <sup>2</sup> Σχ  |            |          |              |      |      |      |     | -     |         |      |        |        |        |       |       |    |         |      |      |          |          |           |        |          |           |
| Σχ²       Σχ²       X       σ×       No. Obs.       Mean No. of Hours with Temperature         7945333       98599       79.5       9.214       1240       50F       273F       280F       293F         8158280       100528       81.1       2.000       1240       744.0       744.0       744.0       7199.6         7157469       94187       76.0       1.027       1240       744.0       739.6       16.8  |            |          |              |      |      |      | -   | -     |         |      |        |        |        |       |       |    |         |      |      |          |          |           |        |          |           |
| Σχ²         Σχ         X         σx         No. Obs.         Mean No. of Hours with Temperature           7945333         98599         79.5         9.214         1240         50F         273 F         280 F         298 F           8158280         100528         81.1         2.600         1240         744.0         744.0         510.6           7157469         94187         76.0         1.627         1240         744.0         739.6         1.6.8  |            |          |              | 3    |      |      | -   | -     |         |      |        |        |        |       | -     |    |         |      |      |          |          |           |        |          |           |
| Σχ²         Σχ         No. Obs.         Mean No. of Hours with Temperature           7945333         98599         79.5         9.214         1240         50F         232F         267F         273F         280F         293F           8158280         100528         81.1         2.600         1240         744.0         744.0         510.6           7157469         94187         76.0         1.627         1240         744.0         739.6         16.8   |            |          |              |      |      |      |     |       |         |      |        |        |        |       |       |    |         |      |      |          |          |           |        |          |           |
| Σχ²         Σχ         X         σx         No. Obs.         Mean No. of Hours with Temperature           7945333         98599         79.5         9.214         1240         ±0.F         ±32 F         ±67 F         ±73 F         ±80 F         ±93 F           8158280         100528         81.1         2.600         1240         744.0         744.0         510.6           7157469         94187         76.0         1.627         1240         744.0         739.6         16.8  |            |          |              |      |      |      | -   |       |         |      |        |        |        |       |       |    |         |      |      |          |          |           |        |          |           |
| 8158280 100528 81.1 2.600 1240 20F 232F 267F 273F 280F 293F 293F 293F 293F 293F 293F 293F 293   | Element (X | 0        | $\Sigma x^2$ |      |      | ZX.  |     | ×     |         | σx   | H      | Š      | ١٥     | Ц     | 1     |    |         | Wed  | No.  | of Hours | with Ter | nperature |        |          |           |
| 8158280 100528 81.1 2.600 1240 744.0 744.0 510.6<br>7157469 94187 76.0 1.627 1240 744.0 739.8 16.8  | Rel. Hum.  |          | 164          | 5333 |      | 985  | 66  | 79.   |         | 9.2  | 4      | -      | 040    | ۷I    | 10 F  | VI | 32 F    | 7 6. |      | 273      |          | 80 F      | ≥ 93 F |          | Total     |
| 7157469 94187 76.0 1.027 1240   | Dry Bulb   | -        | 815          | 8280 |      | 000  | 28  | 81    | +       | 2.00 | 0      | 7      | 040    |       |       |    |         | 4    |      |          | 5        | 0.0       |        | +        | 744.0     |
|   | Wet Bulb   |          | /13          | 7469 |      | 146  | 87  | 10.   | _       | 1.02 | 1      | 7      | 040    |       |       |    |         | *    |      |          |          | 0.0       |        |          | *         |

USERA-YEOS MISH

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PSYCHROMETRIC SUMMA JAN 68

|                                     | Wet Bulb Dew Point  |     |     |     |       |       |         |      | 123 |     |     | 87  | 1200               |   |  |   |  |                                    | Total     | 720.0    | 720.0    | 300 |
|-------------------------------------|---|-----|-----|-----|-------|-------|---------|------|-----|-----|-----|-----|--------------------|---|--|---|--|------------------------------------|-----------|----------|----------|-----|
| TOTAL                               | /et Bulb  |     |     |     |       |       |         | 122  | 9 6 | 19  | 1   |     | 1200               |   |  |   |  |                                    |           | 0        |          | -   |
|                                     | Dry Bulb W  |     | =   | 26  | 441   | 514   | 305     | 303  | * 4 |     |     |     | 1200               |   |  |   |  |                                    | 293 F     | •        |          |     |
| -                                   | D.B./W.B. Dr  |     | 11  | 56  | 144   | 214   | 305     | 303  | 4 4 | •   |     |     | 1200               |   |  |   |  | Mean No. of Hours with Temperature |           | -        |          | ١   |
|                                     | 231   |     |     |     |       |       |         |      |     |     |     |     |                    |   |  |   |  | Hours wit                          | ≥73 F     | 720.0    | 19.4     | -   |
|                                     | 28 29 - 30  |     |     |     |       |       |         | -    |     |     |     |     |                    |   |  |   |  | an No. of                          | ≥ 67 F    | 720.0    | 20.02    |     |
|                                     | . 26 27 .   |     |     |     |       | -     |         | +    |     | +   | +   |     |                    |   |  |   |  |                                    |           | 7.       | 7        | 1   |
|                                     | - 24 25   |     |     |     |       |       |         | +    |     |     | 1   |     |                    |   |  |   |  |                                    | ≥ 32 F    |          |          | -   |
|                                     | 21 . 22 23  |     |     |     |       |       |         | 1    |     |     | +   |     |                    |   |  |   |  |                                    | 20 F      |          |          | -   |
| WET BULB TEMPERATURE DEPRESSION (F) | 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 |     |     |     |       |       |         | 1    |     |     |     |     |                    |   |  |   |  | No. Obs.                           | 1200      | 1200     | 1200     |     |
| TURE DEP                            | . 16 17 .   | 7.  |     |     |       |       |         | +    |     | +   | +   |     | 7                  |   |  |   |  |                                    |           |          |          |     |
| TEMPERA                             | 3 - 14 15   |     |     | -   |       |       |         | 1    |     |     | +   |     |                    |   |  |   |  | σ×                                 | 3.232     | 2.698    | 1.485    |     |
| WET BULB                            | 11 . 12   | -   |     |     | .2    |       |         | 1    |     |     |     |     | 1.2                |   |  |   |  | ×                                  | 79.3      | 81.8     | 9.9      | -   |
|                                     | 9 . 10  |     | .5  | 3.4 | 6 (0) |       |         |      |     |     |     |     | 6.3                |   |  |   |  |                                    | -         | -        | -        | ╀   |
|                                     | 7.8   |     |     | .7  | 7.    | 7.    | 2.9     | •    |     |     |     |     | 18.8               |   |  |   |  | Z×                                 | 95129     | 98180    | 6163     |     |
|                                     | 5 . 6   |     |     |     | 1.4   | 1 6.5 | 9.511.2 | 2.   | 2.  |     |     |     | 724.5              |   |  |   |  |                                    |           |          |          |     |
|                                     | 3.4   |     |     |     |       | 2 2.  | .5      | 722. | 3.0 |     |     |     | 236.               |   |  |   |  |                                    | 7622539   | 8041488  | 7045250  |     |
|                                     | 1 . 2   |     |     |     |       | •     | -       | +    | .1  |     |     |     | .110.236.724.518.8 | + |  | + |  | $\Sigma_{X^2}$                     | 16        | 80       | 70       | 1   |
| 6                                   | 0   | 93  | 68  | 87  | 85    | 83    | 81      | 61   |     | 25  | - 1 | 640 |                    |   |  |   |  | t (X)                              | CEO.      | olb      | dloi     | -   |
| Temp                                | (F)   | 94/ | 106 | 88/ | 198   | 148   | 128     | 100  | 18/ | 14/ | 121 | 10/ | OTA                |   |  |   |  | Element (X)                        | Rel. Hum. | Dry Bulb | Wet Bulb | -   |

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12656.5602

0

0

| 2  |               | 1     |
|----|---------------|-------|
| 05 | PSYCHROMETRIC | SUMMA |

558 292 1240 Dry Bulb Wet Bulb Dew Point PAGE LST. THE NAME OF THE PERSON 16 376 1240 TOTAL 20 68 1119 170 237 430 1240 D.B./W.B. 20 1119 170 430 174 1240 33 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 YEARS WET BULB TEMPERATURE DEPRESSION (F) 1.0 4.8 STATION NAME 2.5 .523.537.120.313.4 1.9 AGANA, GUAM 12.718.2 .4 8.4 5.2 0 84/ 83 82/ 81 77 78 90/89 68/ 67 07AL 76/ 75 86/85 Temp. 12/07 106

0

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NAVWEASERVCOM

6

0

744.0

36.0

744.0 744.0 744.0 744.0 744.0 729.0

Total

2 93 F

≥ 80 F

≥73 F

₹ 67 F

≤ 32 F

\$ 0 F

1240

3.007

75.3

93331

7028521

Dew Point

81.3

95404

343466

102557

8566519

Element (X) Rel. Hum.

Dry Bulb Wet Bulb

No. Obs.

Mean No. of Hours with Temperature

744.0

555 PSYCHROMETRIC SUMMA JAN 68

|              |      |                   |      |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        |                                    |             | 0 4 0  | -                           |       |
|--------------|------|-------------------|------|-------------|-----|-----|-------|--------|---|--------|--------|--------|----|-------|--------|--------|-------|--------|---------|--------|------------------------------------|-------------|--------|-----------------------------|-------|
|              |      |                   |      |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        |                                    |             | 25     | HOURS (L.S.T.)              | S.T.) |
| Temp.<br>(F) | 0    | .2 3.4            | 5.6  | ^           | 8.  |     | WET B | ULB TE | WET BULB TEMPERATURE DEPRESSION (F) 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 | 1 16 1 | EPRES: | 19 . 2 | F) | 22 2  | 3 - 24 | 25 .   | 26 27 | . 28 2 | 29 . 30 | 131    | TOTAL<br>D.B./W.B.                 | B. Dry Bulb | -      | TOTAL<br>Wet Bulb Dew Point | ew Po |
| 92/ 91       |      | -                 |      |             | i.e | -   |       | 20     | _   |        |        |        |    |       |        |        |       |        |         |        | ,                                  | 25          | 25     |                             |       |
|              |      | -                 |      |             |     | 100 | 1     |        | -   |        |        |        | -  | -     |        |        | -     | -      |         |        |                                    |             | 102    | -                           |       |
|              |      |                   | 19   |             | 6.4 |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        | 109                                |             | 60     |                             |       |
| -            |      | 2.3               | 0    |             | 2.3 | -   |       |        |   |        |        |        |    |       |        |        |       |        |         |        | 142                                | -           | 2      |                             |       |
| -            |      | 911               | 0    | · · · · · · | 4   |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        | 230                                |             | 0      | 28                          |       |
| 80/ 79       |      | 8.120.6           |      |             | 7.  |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        | 376                                |             |        | 186                         | 28    |
| 78/ 77       |      | .2 9.             | •    |             | 7   |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        | 25                                 |             |        | 83                          | 7     |
| -            | 2    | 100               | *    |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        | 3                                  | 33 3        | 33 4   | 695                         | 570   |
| -            | •1   |                   |      |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        |                                    | 1           | 1      | 18                          | 335   |
| -            |      |                   |      |             |     |     |       |        |   |        |        |        |    |       | 6      |        |       |        |         |        |                                    |             |        | 7                           | 34    |
| - 1          |      |                   |      | -           |     |     |       |        |   |        |        |        |    | -     |        |        |       |        |         |        |                                    |             |        | 1                           |       |
| 68/ 67       |      |                   |      | -           |     |     |       |        |   |        |        |        |    |       |        |        |       | -      |         |        |                                    |             |        |                             |       |
| DTAL         | .222 | 222.543.917.711.8 | 917. | 711         |     | 3.5 | •     | 3      | -   |        |        |        |    | +     |        |        | +     | 1      |         |        |                                    | 1240        |        |                             | 1240  |
|              |      |                   |      |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        | 4                                  | ,           | 1      |                             |       |
|              |      |                   |      |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        |                                    |             |        |                             |       |
|              |      | +                 |      | -           | +   |     |       | -      |   |        |        |        |    |       |        |        | +     |        |         |        |                                    |             | -      | 1                           |       |
|              |      |                   |      |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        |                                    |             |        |                             |       |
|              |      |                   |      |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        |                                    |             |        |                             |       |
|              |      |                   |      | -           | -   |     |       | -      |   |        |        |        | 1  | -     |        |        | -     |        |         |        |                                    |             |        |                             |       |
|              |      |                   |      | -           | -   |     |       |        |   |        |        |        | -  |       |        |        |       | -      |         |        |                                    | -           | -      | -                           |       |
|              |      | -                 |      | -           | -   |     |       | -      |   |        |        |        | -  | 1     |        |        | -     | 1      |         |        |                                    |             |        | -                           |       |
|              |      |                   |      |             | +++ |     |       |        | -   |        |        |        |    |       |        |        | -     | 1      |         |        |                                    |             |        | +                           |       |
| Element (X)  | 2,42 |                   |      |             |     |     | ×     |        | ď,  |        | S O O  |        |    | -     |        |        | -     | Z Vean | o of    | w sino | Mean No. of Hours with Temperature | rotore      |        |                             |       |
| Rel. Hum.    | 00   | 8732697           | 1    | 103629      | 620 | 00  | 83.6  | 1      | .635  |        | 12     | 1240   | "  | * 0 F | F      | ≥ 32 F | -     | 2 67 F | L       | =73 F  | ≥80 F                              | 1           | 2 93 F | To                          | Total |
| Dry Bulb     | -    | 15075             |      | 00          | 454 | -   | 81.0  | -      | 3.210   |        | 13     | 1340   |    |       | -      |        | -     | 44     |         | 44.    | 1                                  |             |        | 2                           | 744.0 |
| Wet Bulb     | 1    | 7334010           |      | 96360       | 280 | +   | 74.0  | +      | 700   |        | 1      | 240    |    |       | +      |        | -     | 74.6   |         | 74.2 8 |                                    | 0           | 1      |                             |       |
|              |      |                   |      |             |     |     |       |        |   |        |        |        |    |       |        |        |       |        |         |        |                                    | -           |        |                             |       |

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PSYCHROMETRIC SUMMA JAN 68

| Temp.       |   |                   |      |      | -     | 5   | WET BU | LB TEMPE | ATURE L | WET BULB TEMPERATURE DEPRESSION (F) | (F)    | 22 23 | 36 16   | 15 | 00 30    | 30 431  |         | TOTAL<br>D.B. W.B.                 | Dry Bulb | Wet Bull | Dew Point |
|-------------|---|-------------------|------|------|-------|-----|--------|----------|---------|-------------------------------------|--------|-------|---------|----|----------|---------|---------|------------------------------------|----------|----------|-----------|
| -           | • | 1                 |      | 0    |       | 2   | 7 -    | 4 . 2    | 0 . 0   | <u> </u>                            | 7 07 - | 77 .  | 67 47 . | 4  | 47 07 .  |         |         |                                    |          | 200      | 3         |
| 68 /06      |   |                   |      |      | ·     | 3   |        |          |         |                                     |        |       |         |    |          |         |         | 1 7                                | 14.      |          |           |
| -           |   |                   |      | *    | 5.9   | 1.3 |        |          |         |                                     |        |       |         |    |          |         |         | 24                                 | 54       |          |           |
|             |   |                   | 7    | 2.6  |       | . 7 |        |          |         |                                     |        |       |         |    |          | -       | -       | 116                                | 116      |          |           |
| 84/ 83      |   | -                 | 2.7  | 7.9  |       |     |        |          |         |                                     |        |       |         |    |          |         |         | 176                                | 176      | 1        |           |
|             |   | 101               | 11.9 | 8.5  |       |     |        |          |         |                                     |        | -     |         |    |          |         |         | 267                                | 267      | 26       |           |
|             |   | 9.319             | 9.1  | 3.1  |       |     |        |          |         |                                     |        |       |         |    |          | _       |         | 376                                | 376      | 148      |           |
| 11          | - | 6.9               |      | 00   |       |     |        |          |         |                                     |        |       |         |    |          |         | _       | 162                                | 162      | 309      | 237       |
| 74/ 78      |   | 1.4               | 4    | -    |       |     |        |          |         |                                     | -      | -     |         |    |          |         | _       | 2 8                                | 25       | 404      |           |
| 1 33        |   |                   |      | :    |       |     |        |          |         |                                     |        |       |         |    |          |         | _       |                                    | -        | 0        | 346       |
| -           | T | -                 |      |      |       |     |        |          |         | -                                   | -      | -     | -       |    | -        | -       | -       | -                                  | 1        | 4        | 8         |
| 10/ 69      |   |                   |      |      |       |     |        |          |         |                                     |        |       |         |    |          |         |         |                                    |          | )        | •         |
|             |   | 1                 | 1    |      |       |     |        |          |         | -                                   |        | -     | +       | -  | -        | -       | -       | -                                  |          |          |           |
| TOTAL       |   | 318.540.403.314.3 | 9    | 33.3 | 14.3  | 2.0 | 4      |          |         |                                     |        |       |         |    |          |         |         |                                    | 1192     |          | 1192      |
|             |   |                   |      |      |       | •   |        |          |         |                                     |        |       |         |    |          |         | -       | 1192                               |          | 1192     |           |
|             |   |                   |      |      |       |     |        |          |         |                                     | -      | -     | -       |    |          |         | -       |                                    |          |          |           |
|             |   | +                 |      |      |       |     |        |          | 1       |                                     | -      | +     | +       | +  | +        | +       | +       | +                                  |          |          |           |
|             |   |                   |      |      |       |     |        |          |         |                                     |        |       |         |    |          |         |         |                                    |          |          |           |
|             |   |                   |      |      |       |     |        |          |         |                                     |        |       |         |    |          |         |         |                                    |          |          |           |
|             |   |                   |      |      |       |     |        |          |         | +                                   | +      |       | +       | +  | 1        |         | +       | +                                  |          |          |           |
|             |   |                   |      |      |       |     |        |          |         |                                     |        |       |         |    |          |         |         |                                    |          |          |           |
|             |   |                   |      |      |       |     |        |          |         |                                     |        |       |         | -  |          |         |         |                                    |          |          |           |
|             |   |                   |      |      |       |     |        |          |         | +                                   | +      | -     |         | +  | +        | +       | +       | +                                  |          |          |           |
|             |   |                   |      |      |       |     |        |          |         |                                     |        |       |         |    |          | +       | +       | +                                  |          |          |           |
|             |   |                   |      |      |       |     |        |          |         |                                     |        |       |         |    |          |         |         |                                    |          |          |           |
|             |   |                   |      | 64   |       |     |        |          |         |                                     |        |       |         |    |          |         |         |                                    |          |          |           |
|             |   |                   |      |      |       |     |        |          |         |                                     |        |       |         |    |          |         |         |                                    |          |          |           |
| Element (X) |   | 2x2               |      |      | z×    | -   | ×      | σ×       |         | No. Obs.                            | -      |       |         |    | Aean No. | of Hour | with Te | Mean No. of Hours with Temperature |          |          |           |
| Rel. Hum.   |   | 8120538           | 538  |      | 97976 |     | 82.2   | 7.524    | 4       | 1192                                |        | ≤ 0 F | ≥ 32 F  |    | ₹ 67 F   | ≥73 F   |         | ≥ 80 F                             | ≥ 93 F   |          | Total     |
| Dry Bulb    |   | 7879537           | 1537 |      | 96851 | -   | 1.3    | 2.942    | 2       | 1192                                |        |       |         | ,- | 720.0    |         | 4       | 494.1                              |          |          | 720.0     |
| Wet Bulb    |   | 7035              | 858  |      | 9155  | -   | 3.97   | 1.72     | 8       | 1192                                |        |       |         | ,- | 720.0    |         |         | 45.9                               |          |          | 720.0     |
| Denie Bains |   |                   | 1    |      | -     | t   |        |          | -       |                                     |        | -     | -       | -  | -        | 1       | I       | -                                  |          |          |           |

505 PSYCHROMETRIC SUMMA JAN 68

| STATION     |     |     |         |      |                   |     |      |         |          |                                     |        |       |       |        |        |        |         |                                    |             |                             |       |
|-------------|-----|-----|---------|------|-------------------|-----|------|---------|----------|-------------------------------------|--------|-------|-------|--------|--------|--------|---------|------------------------------------|-------------|-----------------------------|-------|
|             |     |     |         |      |                   |     |      |         |          |                                     |        |       |       |        |        |        |         |                                    |             | PAGE 1                      | 3     |
| Temp.       |     | 6 - | 7.6     | 4.8  |                   | 0   | WET  | OULB TE | WPERATUR | WET BULB TEMPERATURE DEPRESSION (F) | ON (F) | 20    | 23 24 | 36 36  | 97 78  | 30 36  | 13.     | TOTAL<br>D.B. W.B.                 | B. Ore Bulk | TOTAL<br>Wet Bulk Dew Point | 1 4   |
| 90/ 89      |     |     |         |      |                   |     |      |         |          |                                     | 3      |       |       |        |        |        |         | '                                  | 5           | -                           |       |
| 86/88       |     |     | -10     | 2.0  | -0"               | 1.0 |      | •       | •        |                                     |        |       |       |        |        |        |         | 135                                | 135         | o 10 a                      |       |
| -           |     | 000 | 1.010.2 | 0.0  |                   |     |      |         |          |                                     |        |       |       |        |        |        |         | 270                                |             |                             | 111   |
| -           | 2-  | 9   | 7.4     |      |                   |     |      |         |          |                                     |        |       |       |        |        |        |         | 181                                |             |                             | 503   |
|             |     | -   |         |      |                   |     |      |         |          |                                     |        |       |       |        |        |        |         |                                    |             | -                           | 100   |
| 1           | .31 | 4.  | 61.0    | 24.3 | 314.441.024.513.2 | 6.0 |      | 9       | -        |                                     |        |       |       |        |        |        |         |                                    | 1240        | 0                           | -     |
|             |     |     |         |      |                   |     |      |         |          |                                     |        |       |       |        |        |        |         |                                    |             |                             |       |
|             |     |     |         |      |                   |     |      |         |          |                                     |        |       |       |        |        |        |         |                                    |             |                             |       |
| Element (X) |     | 2x2 |         |      | ×××               |     | ×    |         | σ×       | No. Obs.                            | 1      |       |       |        | Mean   | No. of | Hours w | Mean No. of Hours with Temperature | erature     |                             | -     |
| Rel. Hum.   |     | 830 | 1448    |      | 101006            |     | 81.5 |         | 7.720    | 1240                                | 0      | ± 0 F |       | ≤ 32 F | 2 67 F |        | ≥73 F   | 280 F                              |             | ≥ 93 F                      | Total |
| Dry Bulb    |     | 621 | 6218206 |      | 100880            | -   | 81.4 | -       | 2.997    | 1240                                | 0      |       |       |        | 744.0  |        | 744.0   | 518.4                              | 4.          |                             | 744.0 |
| Wet Bulb    |     | 729 | 7133    |      | 9510              | -   | 76.7 | -       | 1.585    | 124                                 | 0      |       |       |        | 744.0  |        | 43.     |                                    | .2          | 1                           | *     |
| Dew Point   |     | 969 | 6967421 |      | 626               |     | 14.9 |         | 840      | 1240                                | 0      |       |       |        | 744.0  |        | 129.    |                                    | .2          |                             | 744.0 |

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PSYCHROMETRIC SUMMA JAN 68

| NGANA, GUAN |
|-------------|
| M MOITATA   |

| Temp.       |     |                   |         |       |      |       |          | WET  | BULB  | EMPER | WET BULB TEMPERATURE DEPRESSION (F)                | DEPRE    | SSION  | (F)  |        |        |                 |      |           |         |       | 101                                | I A           |        | TOTAL    |                    |
|-------------|-----|-------------------|---------|-------|------|-------|----------|------|-------|-------|--|----------|--------|------|--------|--------|-----------------|------|-----------|---------|-------|------------------------------------|---------------|--------|----------|--------------------|
| (F)         | 0   | 1.2               | 3.4     | 5.    | 6 7  | 80    | 9 - 10   | =    | 12 13 | 77    | 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 | 17.1     | 8 19 . | 20 2 | 1 - 22 | 23 - 2 | - 24 25 - 26 27 | 26 2 | 7 - 28 29 | 29 . 30 | 0 231 | D.B./W.B.                          | V.B. Dry Bulb | -      | /et Bulb | Wet Bulb Dew Point |
| 58/ 87      |     |                   |         | •     | 7.   |       |          |      | -     |       |  |          |        |      |        |        |                 |      |           |         |       | •                                  | 41            | 41     |          |                    |
|             |     | -                 |         | 7 7 7 | 7 4  |       | 6.0      | 1    | -     | 1     |  |          | -      | -    |        |        | +               |      | T         |         |       | -                                  |               | 00     |          |                    |
| 82/ 81      |     |                   | 3       | 6.0   |      |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       | . ~                                |               | 257    | 1        |                    |
| -           | 3   | 6.7               | 20.     | 7 4.  | .3   | .2    |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       | 3                                  |               | 385    | 133      |                    |
| 78/ 77      | • 2 | 4                 | 5.      | -     | 3    |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       |                                    | 168 1         | 168    | 550      |                    |
|             | .2  | 1.2               | •       | -     |      |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       |                                    | 18            | 18     | 456      |                    |
| 1           | -   |                   |         |       | -    |       |          |      |       |       |  |          |        | +    |        |        | -               | 1    |           | **      |       |                                    | -             | -      | 53       |                    |
| 72/ 71      |     | 7                 |         |       |      |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       |                                    | -             |        | 4-       | 11                 |
| TOTAL       | 4.  | 417.342.721.514.4 | 42.     | 721.  | 514  | 4     | 3.5      |      | 7     |       |  |          |        |      |        |        |                 |      |           |         |       | 1200                               |               | 1200   | 1200     | 1200               |
|             |     |                   |         |       |      |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       |                                    | ,             |        |          |                    |
|             |     |                   |         |       |      |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       |                                    |               |        |          |                    |
|             |     |                   |         |       | -    |       |          |      | -     |       |  |          |        |      |        |        |                 |      |           |         |       |                                    |               |        |          |                    |
|             |     |                   |         |       |      |       |          |      | -     |       |  |          |        |      |        |        |                 |      |           |         |       | 1                                  | -             |        |          |                    |
|             |     |                   |         |       |      |       |          |      | -     |       |  |          | -      |      |        |        |                 | -    |           |         |       |                                    | -             |        |          |                    |
|             |     |                   |         |       |      |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       |                                    |               |        |          |                    |
|             |     |                   |         |       | -    |       |          |      | -     |       |  |          | -      |      |        |        |                 |      |           |         | -     | 1                                  |               |        |          | -                  |
|             |     |                   |         |       | -    |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       |                                    |               |        |          |                    |
|             |     |                   |         |       |      |       |          |      |       |       |  |          |        |      | 15     |        |                 |      |           |         |       |                                    |               |        |          |                    |
|             |     |                   |         |       |      |       |          |      |       |       |  |          |        |      |        |        |                 |      |           |         |       |                                    |               |        |          |                    |
| Element (X) |     | 2x2               |         |       | _ \x |       | -        | ×    | +     | , x   |  | No. Obs. | þş.    | -    |        |        |                 |      | Mean      | No. of  | Hours | Mean No. of Hours with Temperature | Derature      | 1      |          |                    |
| Rel. Hum.   |     |                   | 69869   | 0     | 96   | 771   | +        | 82.3 | 7     |       | 00   | -        | 1200   | -    | ≥ 0 F  |        | ≤ 32 F          | u    | ≥ 67 F    | -       | ≥73 F | *1                                 | 1             | ≥ 93 F |          | Total              |
| Dry Bulb    |     | 161               | 1943    | 2     | 97   | 97387 | -        | 81.2 |       | .65   | 0  | -        | 1200   |      |        |        |                 | -    | 720.0     |         | 719.4 |                                    | 0.1           |        |          | 720.               |
| Wet Bulb    |     | 707               | 111     | _     | 92   | 92099 | -        |      |       | 1.469 | 6  | 7        | 1200   |      |        |        |                 |      | 720       |         | 117.  |                                    | 22.8          |        |          | 720.               |
| Dew Point   |     | 676               | 6764823 | 3     | 90   | 90077 | $\vdash$ | 75.1 |       | 1.650 | 0  | -        | 1200   |      |        |        |                 |      | 720.0     |         | 706.2 |                                    | 10.2          |        |          | 7:0.0              |

5 PSYCHROMETRIC SUMMA JAN 68

| STATION     |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|-------------|----------------|--------|--------------|-----------|---------|---------------|---|--------------|--------------|-----------------|--------------|------------------------------------|----------|--------------------|--------|
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    | Q.       | PAGE 1 ST.         | 5.7.)  |
| Temp.       |                |        |              | *         | ET BULB | TEMPERATUR    | WET BULB TEMPERATURE DEPRESSION (F)                                     | 9            |              |                 |              | TOTAL                              |          | TOTAL              |        |
| (F)         | 0 1-2 3-       | .4 5.6 | 8 . 2 9      | 9 - 10 11 | . 12 13 | 1 - 14 15 - 1 | . 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 | 0 21 - 22 23 | . 24 25 . 26 | 27 . 28 29 . 30 | 30 ≥ 31      | mi l                               | Dry Bulb | Wet Bulb Dew Point | Dew Po |
| 88/87       |                |        |              |           |         |               |   |              |              |                 |              | 4                                  | 3        |                    |        |
|             |                |        | 5 4.8        | 413       | -       |               |   |              | -            |                 |              | 68                                 | 68       |                    |        |
| 84/83       | -              | 7      | .611.8       |           |         |               |   |              |              |                 |              | 203                                | 203      |                    |        |
|             | .27            | ~      | 3 3.0        |           | 1       | -             |   |              | -            |                 |              | 230                                | 230      | 1                  |        |
| 80/ 19      | 1.816.5        |        | 6. 4.6       |           |         |               |   |              |              |                 |              | 280                                | 280      | 52                 |        |
|             | .1 5.0 9       |        | 0            |           |         |               |   |              |              |                 |              | 159                                | 159      | 301                | **     |
|             | .1 1.7         |        | .1 .1        |           |         |               |   |              |              |                 |              | 27                                 | 27       | 491                | 274    |
|             | Soll           |        |              |           |         |               |   |              |              |                 |              |                                    |          | 159                | 444    |
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    |          | 14                 | 195    |
| 70/ 69      |                |        |              |           |         |               |   |              |              |                 |              |                                    |          | 2                  | 2      |
| 68/ 67      |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
| 66/ 63      |                |        |              |           | 1       |               |   | 1            |              |                 |              |                                    |          |                    |        |
| DTAL        | .2 8.835       | .728   | 35.728.920.4 | 5.8       | 7       | 7.            |   |              |              |                 |              |                                    | 266      | 3                  | 892    |
|             |                | -      |              |           |         |               |   |              |              |                 |              | 746                                |          | 766                |        |
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                |        |              | 4         |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                | -      |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                |        | ,            |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                | -      |              |           | 1       | -             |   |              |              |                 |              |                                    |          | 1                  |        |
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                | -      |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
|             |                |        |              |           |         |               |   |              |              |                 |              |                                    |          |                    |        |
| Element (X) | $\Sigma_{X^2}$ |        | Zx           | ×         |         | σ×            | No. Obs.  |              |              | Mean No.        | of Hours wil | Mean No. of Hours with Temperature | Jre .    |                    |        |
| Ref. Hum.   | 6305233        | 33     | 78723        | 3 79.4    | 4.      | 7.646         | 266   | ±0.F         | ≤ 32 F       | ≥ 67 F          | ≥73 F        |                                    | ≥ 93 F   |                    | Total  |
| Dry Bulb    | 6505535        | 35     | 80293        |           |         | 2.576         | 692   |              |              | 744.0           | 744.0        | 64                                 |          | 7                  | 744.0  |
| Wet 3ulb    | 57045          | 13     | 7521         |           | -       | 1.489         | 266   |              |              | 744.0           | 732.0        |                                    |          | 7                  | 744.0  |
|             |                |        |              | ł         |         |               |   |              |              |                 |              |                                    |          |                    |        |

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|---|---------------|-------|----|
| 5 | PSYCHROMETRIC | SUMMA | JA |

| 1.2   3.4   5.6   7.8   9.10   11.12   13.14   15.10   17.18   19.20   21.22   23.24   | TOTAL                  | 26 27 - 28 29 - 30 = 31 D.B./W.B. |    | 176   | 1225 | 2858 | 2562 | 712 | 50 | 15 |  |             | 1435 |  |  | Mean No. of Hours with Temperature | 267 F 273 F 280 F | 8760.08719.35399. | 8 /54.00101.0 C. |
|--|------------------------|-----------------------------------|----|-------|------|------|------|-----|----|----|--|-------------|------|--|--|------------------------------------|-------------------|-------------------|------------------|
| 1.2 3.4 5.6 7.8 9.10 1.2 3.4 5.6 7.8 9.10 1.3 4.3 2.2 1.6 7.5 8.0 2.9 1.6 7.5 8.0 2.9 1.7 5.5 8.0 2.9 1.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0  | ON (F)                 | 21 - 22 23 - 24 25 -              |    |       |      |      |      |     |    |    |  |             |      |  |  |                                    | ± 0 F ± 32        | 2                 | 2                |
| 1.2 3.4 5.6 7.8 9.10 1.2 3.4 5.6 7.8 9.10 1.3 4.3 2.2 1.6 7.5 8.0 2.9 1.6 7.5 8.0 2.9 1.7 5.5 8.0 2.9 1.0 0.0 0.0 0.0 0.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0  | B TEMPERATURE DEPRESSI | 13 - 14 15 - 16 17 - 18           | 0. |       |      |      |      |     |    |    |  | 2 .0        | ,    |  |  | Š                                  |                   |                   |                  |
| 1.2 3.4 5.6 7.8<br>1.2 3.4 5.6 7.8<br>1.3 4.3<br>1.3 6.3 1.3<br>1.3 6.3 1.3 | WET BUI                | 0 .                               | 0, | mm    | 2.0  | -    |      |     | •  |    |  | 6           |      |  |  | ×                                  | 80.1              | 80.0              | 13.1             |
|  |                        | .6 7.8                            |    | 0 1.1 | 4.0  | 5.5  |      |     |    | 0. |  |             | 1    |  |  | 2×                                 | 1149213           | 1157460           | 1090001          |
|  |                        | 1.2                               |    |       | •    |      |      | 0.4 | .2 |    |  | .214.135.92 |      |  |  | Σx²                                | 93110575          | 93480550          | 46100679         |

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DRY-BULB TEMPERATURES DEG F FROM HOURLY DRSERVATIONS

| 200          | The second |       |       |              |       |       | -     | NAME AND ADDRESS OF THE OWNER, OF TAXABLE PARTY AND ADDRESS OF TAXABLE PAR | The second name of the last of |       | -     | -     | -     |        |
|--------------|------------|-------|-------|--------------|-------|-------|-------|--|--------------------------------|-------|-------|-------|-------|--------|
| STATION      |            |       | ST    | STATION NAME |       |       |       |  |                                | YEARS |       |       |       |        |
| HRS.(L.S.T.) |            | JAN.  | FEB.  | MAR.         | APR.  | MAY   | nor.  | JUL  | AUG.                           | SEP.  | OCT.  | NOV.  | DEC.  | ANNUAL |
|              | MEAN       | 77.3  | 77.0  | 6.9          | S.    | -     | 43 1  | N  | -                              | 41    | 40    | 40    | 79.3  |        |
| 5            | TOTAL OBS  | 2.439 | 1.823 | 150-1        |       | 1.190 | 1501  |  | 1.52                           | 149   | 1551  | 150   |       | 1794   |
|              |            |       |       |              |       |       | 1     |  |                                |       |       |       |       |        |
|              | MEAN       | 76.8  |       | 76.          | 8.1   | 8.6   |       | -  |                                | 78.8  | 0     | 78.9  | -     | 78.2   |
| *0           | S. D.      | 2.704 | 2.072 | :            |       |       | 1.001 | 1.148  | 1.490                          |       |       |       | 00    |        |
|              | TOTAL OBS  | 159   |       | 15           | 13    | 15    | 15    | 5  | 13                             | *     | 0     | 13    | N     | 2      |
|              | MEAN       | 74. 2 |       | 1 .          |       |       | 1     | 0  | 0                              | 6     |       | 6     |       | -      |
| •            |            |       |       |              |       | 0     |       |  | 2                              | 1     |       |       | >     | 1      |
| 0            | TOTAL OBS  | 41.7  |       | 155          | 16501 | 1.202 | 1.50  | 155  | 155                            | 149   | 155   |       | 124   | 1794   |
|              |            |       |       |              |       |       |       |  |                                |       | 1     |       |       |        |
|              | MEAN       | 81.5  |       | 81.          | 2.5   |       |       |  | 2.                             | 3.1   | 3.4   | 3     | 2.    | 2      |
| 10           | S. D.      | 1.703 | 1.380 |              | 1.374 | 1.654 | 1.535 | 2.340  | 2.869                          | 2.439 | 2.138 | 1.766 | 1.492 | 2.091  |
|              | TOTAL OBS  | 155   |       | 15           | 15    | 15    | 15    | 13   | 15                             | -     | 2     | 15    | ~     | 179    |
|              | MEAN       | 83.0  |       | 23           | -     |       | 1     | 3  | 3                              |       |       |       | ;     | :      |
|              | S. D.      | 200   |       | 2.00         | 4     |       |       | 0  | 10                             | -     | 3     | 0     | -     | 13     |
| 2            | TOTAL OBS  | 159   | 141   | •            |       |       |       | 155  |                                |       |       |       |       | 1794   |
|              | MEAN       | 83.2  | 82.2  |              |       |       | 1     |  |                                | 10    |       | -     |       |        |
| 9.           | S. D.      | 748   |       |              |       |       |       | 2.7.   |                                | 00    | 1     | 1.986 | -     | 48     |
| -            | TOTAL OBS  | 159   |       | 159          |       |       | 150   | 1  |                                | -     | -     | -     |       | -      |
|              | MEAN       | 78.7  | 1     | 78.          | 6.6   | 0     |       | -  |                                | -     | 0     |       | 0     | 0.3    |
| 19           | S. D.      | 1.863 | 1.636 | 1.41         | 1.148 | 1.364 | 1.654 | 1.985  | 2.288                          |       | 1.840 | 1.363 | 1.171 | 1.951  |
|              | TOTAL OBS  | 159   |       |              | 13    | 15    | -     | 15   | 15                             | -     | 15    | 15    | 12    | 179    |
|              | MEAN       | 77.9  | 1     | 77.          | -     | 9.7   |       | 6.6  |                                | 1.0   | 0     | 0     |       | :      |
| 22           | S. D.      | 2.314 | 1.656 | 1.7          | 1.226 | 1.188 | 1.121 | 1.489  | 1.768                          | 1.631 | 1.612 | 1.404 | 10401 | 1.863  |
|              | TOTAL OBS  | 159   |       | 15           | 13    | 15    | 15    | -  | 13                             | *     | 2     | 2     | 2     | 120    |
| 1            | MEAN       | 79.3  |       | 6            | 0     | -     | -     | 81.3   | -                              | 1.3   | 4.1   | -     | 6.0   | 0      |
| HOURS        | S. D.      | 3.290 |       | 3.103        | 2.594 | 2.600 | 2.698 | 3.007  | 3.220                          | 2.943 | 2.997 | 2.650 | 2.576 | 3.053  |
|              | TOTAL OBS  | 1240  | _     | ~            | 12    | 24    | 12    | 124  | 124                            | 13    | 124   | 120   | 66    | 433    |

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WET-BULB TEMPERATURES DEG F FROM HOURLY DRSERVATIONS

| 00+1+        |                            | THE STREET           |       |              | -     | -     | -     | -     |       |       |       |                      | -                    |                       |
|--------------|----------------------------|----------------------|-------|--------------|-------|-------|-------|-------|-------|-------|-------|----------------------|----------------------|-----------------------|
| STATION      |                            |                      | STA   | STATION NAME |       |       |       |       |       | YEARS |       |                      |                      |                       |
| HRS.(L.S.T.) |                            | JAN.                 | FEB.  | MAR.         | APR.  | MAY   | JUN.  |       | AUG.  | SEP.  | OCT.  | NOV.                 |                      | ANNUAL                |
| 7            | MEAN<br>S. D.<br>TOTAL OBS | 73.0                 | 73.0  | 1.741        | 1.318 | 1.434 | 1.173 | 1.219 | 1.305 | 1.382 | 1.265 | 76.1<br>1.240<br>150 | 75.4<br>1.364<br>124 | 15.0                  |
| *            | AEAN<br>S. D.<br>TOTAL OBS | 72.8<br>2.383<br>155 | 1.933 | 1.808        | 16456 | 1.428 | 1.101 | 1.256 | 1.217 | 1.417 | 1.214 | 1.370                | 75.0<br>1.473<br>124 | 1.984                 |
| 60           | S. D.<br>TOTAL OBS         | 72.8                 | 72.6  | 1.833        | 1.402 | 1.636 | 1.406 | 76.7  | 76.4  | 1.299 | 1.290 | 1.428                | 75.1                 | 2.226                 |
| 2            | MEAN<br>S. D.<br>TOTAL OBS | 75.0<br>1.925<br>159 | 1.819 | 1.740        | 1.509 | 1.586 | 1.337 | 1.378 | 1.586 | 1.558 | 1.233 | 1.310                | 76.5<br>1.290<br>124 | 1.986                 |
| 2            | S. D.<br>TOTAL OBS         | 2.076                | 1.865 | 1.928        | 1.525 | 1.652 | 1.493 | 78-1  | 1.768 | 1.554 | 1.491 | 1.363                | 1.233                | 2.121                 |
| 2            | S. D.<br>TOTAL OBS         | 1.961                | 1.984 | 74.5         | 15.5  | 10445 | 1.476 | 1.562 | 1.840 | 1,887 | 1.613 | 1.151                | 76.7<br>1.242<br>124 | 76.4<br>2.086<br>1794 |
| 0,           | AEAN<br>S. D.<br>TOTAL OBS | 73.3                 | 1.97  | 73.4         | 1.330 | 15.5  | 76.1  | 76.7  | 1.631 | 1.612 | 76.4  | 10.5                 | 75.6<br>1.215<br>124 | 2.08                  |
| 22           | S. D.<br>TOTAL OBS         | 73.1                 | 73.1  | 73.3         | 1.330 | 1.311 | 1.015 | 76.4  | 1.409 | 1.384 | 1.185 | 1.259                | 1.309                | 15.2                  |
| ALL          | S. D.<br>TOTAL OBS         | 73.8 2.389           | 73.5  | 1.952        | 1.565 | 1.628 | 1.486 | 1.609 | 1.700 | 10729 | 1.586 | 1.470                | 75.8<br>1.490        | 75.7                  |

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DENI-POINT TEMPERATURES DEG F FROM HOURLY DESERVATIONS

| 41406        |                            | AGANA, GUAM | X          |                      |                       |       | 73-   | -77                  |               |                       |                      |                      |                      |                       |
|--------------|----------------------------|-------------|------------|----------------------|-----------------------|-------|-------|----------------------|---------------|-----------------------|----------------------|----------------------|----------------------|-----------------------|
| STATION      | 1                          |             | STAT       | TION NAME            |                       |       |       |                      |               | YEARS                 |                      |                      | 1                    |                       |
| HRS.(1.5.T.) |                            | JAN.        | FEB.       | MAR.                 | APR.                  | MAY   | JUN.  | JUL.                 | AUG.          | SEP.                  | OCT.                 | IŽ                   | DEC.                 | ANNUAL                |
| 10           | S. D.<br>TOTAL OBS         | 71.1        | 71.1       | 71.1                 | 1.767                 | 1.971 | 1.603 | 1.453                | 75.1          | 1.704                 | 74.6                 | 1.550                | 73.8<br>1.658<br>124 | 73.6                  |
| 6            | MEAN<br>S. D.<br>TOTAL OBS | 71.0        | 71.0       | 71.2 2.369 1.55      | 1.930                 | 73.6  | 74.1  | 74.8<br>1.504<br>155 | 1.360         | 74.5                  | 1.397                | 1.719                | 73.4                 | 2.407                 |
| 0            | S. D.<br>TOTAL OBS         | 71.0        | 2.566      | 71.3                 | 73.0                  | 2.116 | 1.821 | 1.467                | 75.4          | 75.6                  | 1.457                | 1.563                | 73.6                 | 73.9                  |
| 2            | S. D.<br>TOTAL OBS         | 72.3        | 71.5       | 71.8<br>2.702<br>155 | 2.282                 | 74.1  | 1.975 | 75.6                 | 75.8<br>1.563 | 1.802                 | 1.619                | 1.702                | 1.849                | 74.2<br>2.655<br>1794 |
| 2            | S. D.<br>TOTAL OBS         | 72.0        | 3.031      | 3.052                | 72.7<br>2.396<br>150  | 73.7  | 74.7  | 1.963                | 1.651         | 1.862                 | 1.680                | 1.933                | 74.0                 | 2.915                 |
| 2            | S. D.<br>TOTAL OBS         | 71.6        | 3.086      | 71.2                 | 72.3                  | 73.5  | 2.069 | 1.913                | 1.842         | 75.4                  | 75.0<br>1.828<br>155 | 75.2<br>1.614<br>150 | 73.8<br>1.870<br>124 | 73.7<br>2.825<br>1794 |
| 2            | S. D.<br>TOTAL OBS         | 71.0        | 2.747      | 71.2                 | 1.891                 | 73.3  | 73.9  | 75.0                 | 1.702         | 1.884                 | 1.507                | 1.424                | 73.7                 | 73.4                  |
| 22           | S. D.<br>TOTAL OBS         | 71.1 2.611  | 71.2 2.551 | 71.5                 | 1.834                 | 1.844 | 14.5  | 75.0                 | 1.492         | 1.671                 | 1.463                | 1.503                | 1.692                | 73.6                  |
| ALL          | S. D.<br>TOTAL OBS         | 71.4 2.812  | 2.732      | 2.586                | 72.7<br>2.072<br>1200 | 73.9  | 74.5  | 15.3                 | 1.593         | 75.1<br>1.840<br>1192 | 1.648                | 1.651                | 73.8<br>1.769        | 73.7                  |

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#### RELATIVE HUMIDITY

AGANA, GUAM 41406 STATION

STATION NAME

73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL  | OBS.     | 155                           | 155                     | 155                                 | 155                     | 155                     | 155         | 155                     | 155   | 1240              |
|--|----------|-------------------------------|-------------------------|-------------------------------------|-------------------------|-------------------------|-------------|-------------------------|-------|-------------------|
| MEAN   | HUMIDITY | 81.6                          | 82.7                    | 82.7                                | 74.1                    | 6.69                    | 70.5        | 77.5                    | 80.2  | 77.4              |
|  | %06      | 0.6                           | 11.6                    | 0.6                                 | 5.6                     | 1:3                     | 1:0         | 4.5                     | 5.8   | 5.7               |
|  | 80%      | 53.5                          | 0.00                    | 65.6                                | 18.1                    | 0.6                     | 11.0        | 29.7                    | 48.4  | 36.5              |
| ATER THAN  | 20%      | 8.46                          | 97.4                    | 96.8                                | 66.5                    | 41.3                    | 45.5        | 84.5                    | 8.46  | 1.17              |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09      | 1.66                          | 100.0                   | 100.0                               | 96.8                    | 91.6                    | 92,3        | 4.66                    | 100.0 | 97.4              |
| Y OF RELATIVE  | %05      | 100.0                         |                         | 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0                   | 100.0                   | 4.66        | 100.0                   | 100.0 | 99.9              |
| GE FREQUENC  | 40%      | 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 | 100.0                               | 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 | 100.0       | 100.0 100.0 100.0 100.0 | 100.0 | 100.0 100.0 100.0 |
| PERCENTA   | 30%      | 100.0                         | 100.0                   | 100.0                               | 100.0                   | 100.0                   | 100.0 100.0 | 100.0                   | 100.0 | 100.0             |
|  | 20%      | 100.0                         | 100.0                   | 100.0                               | 100.0                   | 100.0                   | 100.0       | 100.0                   | 100.0 | 100.0             |
|  | 10%      | 100.0                         | 100.0                   | 100.0                               | 100.0                   | 100.0                   | 100.0       | 100.0                   | 100.0 | 100.0             |
| HOURS  | (L.S.T.) | 10                            | 40                      | 07                                  | 10                      | 13                      | 16          | 19                      | 22    | IOTALS            |
| MINON  |          | JAN                           |                         |                                     |                         |                         |             |                         |       | TOT               |

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RELATIVE HUMIDITY

STATION NAME

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| OCCURRENCE                                  | 9                       |
|---|-------------------------|
| 9   | Š<br>O                  |
| FREQUENCY                                   | OBSERVATI               |
| UMULATIVE PERCENTAGE FREQUENCY OF OCCURRENC | FROM HOURLY OBSERVATION |
| CUMULATIVE                                  | F)                      |

| TNON    | HOURS   |       |                               | PERCENTA                      | GE FREQUENC | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |      |      | MEAN     | TOTAL |
|---------|---------|-------|-------------------------------|-------------------------------|-------------|---------------|--|-----------|------|------|----------|-------|
| TINOW I | (LS.T.) | 10%   | 20%                           | 30%                           | 40%         | 90%           | %09  | 70%       | 80%  | %06  | HUMIDITY | 088.  |
| 80      | 10      | 100.0 | 100.0                         | 100.0 100.0 100.0 100.0 100.0 | 100.0       | 100.0         | 100.0  | 92.2      | 67.4 | 7.1  | 82.4     | 141   |
|         | *       | 100.0 | 100.0                         | 100.0 100.0                   | 100.0       | 100.0         | 86.6   | 95.7      | 69.8 | 14.2 | 83.4     | 141   |
|         | 10      |       | 100.0 100.0 100.0 100.0 100.0 | 100.0                         | 100.0       | 100.0         | 666  | 94.3      | 63.8 | 13,5 | 85.8     | 141   |
|         | 10      | 100.0 | 100.0                         | 100.0                         | 100.0       | 100.0         | 93.6   | 58.9      | 15.6 |      | 72.6     | 141   |
|         | 13      | 100.0 | 100.0 100.0 100.0 100.0       | 100.0                         | 100.0       | 97.9          | 82,3   | 32.6      | 8.5  | 1.4  | 67.9     | 141   |
|         | 16      | 100.0 | 100.0 100.0 100.0             |                               | 100.0       | 66.3          | 65.1   | 35.5      | 12.1 | 2.8  | 69.1     | 141   |
|         | 10      | 100.0 | 100.0                         | 100.0 100.0 100.0 100.0       | 100.0       | 100.0         | 66.3   | 82.3      | 30.5 | 2,1  | 76.9     | 141   |
|         | 22      | 100.0 | 100.0                         | 0000 100.0 100.0 100.0 100.0  | 100.0       | 100.0         | 100.0  | 91.5      | 60.3 | 4.0  | 80.9     | 141   |
|         |         |       |                               |                               |             |               |  |           |      |      |          |       |
|         |         |       |                               |                               |             |               |  |           |      |      |          |       |
| TOT     | TOTALS  | 100.0 | 100.0 100.0 100.0 100.0       | 100.0                         | 100.0       | 99.7          | 94.9   | 72.9      | 41.0 | 0.0  | 77.0     | 1128  |

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#### RELATIVE HUMIDITY

ACANA, GUAM

STATION NAME

PERIOD

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|       | HOURS    |         |                                     | PERCENTA   | GE FREQUENC                  | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |      |      | MEAN     | TOTAL |
|-------|----------|---------|-------------------------------------|------------|------------------------------|---------------|--|-----------|------|------|----------|-------|
| MONIT | (L.S.T.) | %01     | 20%                                 | 30%        | 40%                          | 20%           | %09  | 70%       | %08  | %06  | HUMIDITY | OBS.  |
| MAR   | 10       | 100.001 |                                     | 100.0      | 00.0 100.0 100.0 100.0 100.0 | 100.0         | 100.0  | 8.46      | 61.3 | 15.5 | 82.7     | 155   |
|       | *0       | 100.0   | 100.0 100.0 100.0 100.0 100.0       | 100.0      | 100.0                        | 100.0         | 100.0  | 97.4      | 72.9 | 16.1 | 84.3     | 155   |
|       | 07       | 100.0   | 100.0 100.0 100.0 100.0 100.0       | 100.0      | 100.0                        | 100.0         | 4.66   | 97.4      | 75.5 | 18.7 | 84.8     | 155   |
|       | 10       | 100.0   | 100.0 100.0 100.0 100.0             | 100.0      | 100.0                        | 100.0         | 96.1   | \$9.4     | 18.7 | 5.8  | 73.4     | 155   |
|       | 13       | 100.0   | 100.0 100.0 100.0 100.0             | 100.0      | 100.0                        | 4.76          | 83.2   | 34.8      | 11.6 | 1.3  | 68.1     | 155   |
|       | 91       | 100.0   | 100.0 100.0                         | 100.0      | 4.66                         | 4.66          | 89.0   | 44.5      | 11.0 | 5.6  | 70.1     | 155   |
|       | 19       | 100.0   | 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0      | 100.0                        | 100.0         | 100.0  | 85.8      | 37.4 | 7.1  | 78.1     | 155   |
|       | 22       | 100.0   | 100.0                               | 100.0      | 100.0                        | 100.0         | 100.0  | 96.8      | 0.00 | 12.3 | 82,3     | 155   |
|       |          |         |                                     |            |                              |               |  |           |      |      |          |       |
|       |          |         |                                     |            |                              |               |  |           |      |      |          |       |
| 0     | TOTALS   | 100.0   | 100.0                               | 0.001 0.00 | 6.66                         | 99.6          | 0.96   | 76.4      | 43.6 | 6.6  | 78.0     | 1240  |

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#### RELATIVE HUMIDITY

AGANA, GUAM

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STATION NAME

73-77

PERIOD

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 1     | HOURS    |       |             | PERCENTA                      | GE FREQUENC       | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | EATER THAN |      |      | MEAN     | TOTAL |
|-------|----------|-------|-------------|-------------------------------|-------------------|---------------|--|------------|------|------|----------|-------|
| MONIE | (L.S.T.) | %01   | 20%         | 30%                           | 40%               | 20%           | %09  | %02        | 80%  | %06  | HUMIDITY | 088.  |
| APR   | 10       | 100.0 | 100.0       | 100.0 100.0 100.0 100.0 100.0 | 100.0             | 100.0         | 100.0  | 66.3       | 0.40 | 10.0 | 85.8     | 150   |
|       | *        | 100.0 | 100.0 100.0 | 100.0                         | 100.0             | 100.0 100.0   | 100.0  | 99.3       | 72.0 | 12.7 | 83.8     | 150   |
|       | 10       | 100.0 | 100.0       | 100.0                         | 100.0             | 100.0         | 100.0 100.0 100.0 100.0 100.0 100.0                    | 100.0      | 72.7 | 14.7 | 83.8     | 150   |
|       | 10       | 100.0 | =           | 0.001 0.00                    | 100.0             | 100.0         | 0.86   | 62.7       | 12.0 | 1.3  | 73.2     | 150   |
|       | 13       | 100.0 | 100.0       | 100.0 100.0 100.0 100.0       | 100.0             | 66.6          | 92.0   | 42.7       | 9.3  |      | 69.7     | 150   |
|       | 16       | 100.0 | 100.0       | 0.001 0.00                    | 100.0             | 100.0         | 92.7   | 46.7       | 6.7  |      | 70.1     | 150   |
|       | 10       | 100.0 | 100.0       | 100.0 100.0 100.0 100.0       | 100.0             | 100.0 100.0   | 100.0  | 92.7       | 16.7 |      | 77.6     | 150   |
|       | 22       | 100.0 | 100.0       | 00.00 100.0                   | 100.0 100.0 100.0 | 100.0         | 100.0  | 7.86       | 52.0 | 5,3  | 81.2     | 150   |
|       |          |       |             |                               |                   |               |  |            |      |      |          |       |
|       |          |       |             |                               |                   |               |  |            |      |      |          |       |
| 101   | TOTALS   | 100.0 | 100.0       | 00.0 100.0 100.0              | 100.0             | 6.66          | 97.8   | 80.3       | 39.4 | 5.6  | 77.8     | 1200  |

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#### RELATIVE HUMIDITY

AGANA, GUAM 41406 STATION

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STATION NAME

73-77

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

|        | %01   |       |                               |       |       |   |       |      |      | DEI ATIVE | NO ON |
|--------|-------|-------|-------------------------------|-------|-------|---|-------|------|------|-----------|-------|
| 0 0 0  |       | 20%   | 30%                           | 40%   | 20%   | %09                                       | %02   | %08  | %06  | HUMIDITY  | OBS.  |
|        | 100.0 | 100.0 | 100.0                         | 100.0 | 100.0 | 100.0 100.0 100.0 100.0 100.0 100.0       | 100.0 | 71.0 | 23,9 | 84.7      | 155   |
|        | 100.0 | 100.0 | 100.0                         | 100.0 | 100.0 | 100.0 100.0 100.0 100.0 100.0 100.0       | 100.0 | 74.8 | 21.9 | 85.1      | 155   |
|        | 0.0   | 100.0 | 100.0                         | 100.0 | 100.0 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0 | 60.0 | 32,3 | 86.4      | 155   |
| 10 10  | 0.0   | 100.0 | 100.0 100.0 100.0 100.0 100.0 | 100.0 | 100.0 | 4.66                                      | 58.1  | 22.6 | 6.5  | 74.5      | 155   |
| 13 10  | 0.0   | 100.0 | 100.0 100.0 100.0 100.0       | 100.0 | 99.4  | 92.3                                      | 43.9  | 14.8 | 5.6  | 4.07      | 155   |
| 16 10  | 100.0 | 100.0 | 100.0 100.0 100.0 100.0       | 100.0 | 100.0 | 98.1                                      | 0.64  | 22.6 | 5.8  | 72.8      | 155   |
| 19 10  | 0.0   | 100.0 | 100.0 100.0 100.0 100.0 100.0 | 100.0 | 100.0 | 100.0                                     | 90.3  | 40.0 | 6.9  | 78.9      | 155   |
| 22 10  | 100.0 | 100.0 | 100.0 100.0 100.0 100.0 100.0 | 100.0 | 100.0 | 100.0                                     | 7.86  | 61.9 | 14.8 | 85.8      | 155   |
|        |       |       |                               |       |       |   |       |      |      |           |       |
| TOTALS |       |       |                               |       |       |   |       |      |      | 9         |       |

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RELATIVE HUMIDITY

73-77

STATION NAME

41406 AGANA, GUAM

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RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| JUN 01 100.0<br>JUN 01 100.0<br>04 100.0<br>10 100.0<br>19 100.0<br>19 100.0 |                                     | PERCENTA                      | GE FREQUENCY | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |      |      | MEAN     | TOTAL |
|--|-------------------------------------|-------------------------------|--------------|---------------|--|-----------|------|------|----------|-------|
| 10 00 00 00 00 00 00 00 00 00 00 00 00 0                                     | 20%                                 | 30%                           | *0*          | %05           | %09  | 70%       | 80%  | %06  | HUMIDITY | OBS.  |
|  | 100.0 100.0 100.0 100.0 100.0       | 100.0                         | 100.0        | 100.0         | 100.0  | 98.7      | 73.3 | 12,0 | 63.0     | 150   |
|  | 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0                         | 100.0        | 100.0         | 10000  | 100.0     | 78.0 | 16.7 | 84.6     | 150   |
|  |                                     | 100.0                         | 100.0        | 100.0         | 100.0 100.0 100.0 100.0 100.0 100.0                    | 100.0     | 81.3 | 24:7 | 85.7     | 150   |
|  | 100.0                               | 100.0 100.0 100.0             | 100.0        | 100.0         | 100.0  | 71.3      | 22.0 | 2.0  | 75.6     | 150   |
|  | 100.0 100.0 100.0 100.0             | 100.0                         | 100.0        | 100.0         | 98.0   | 45.3      | 13.3 | 4.0  | 11.6     | 150   |
|  | 100.0 100.0 100.0 100.0             | 100.0                         | 100.0        | 100.0         | 86.3   | 49.3      | 17.3 | 1:3  | 72.2     | 150   |
|  | 100.0                               | 100.0 100.0                   | 100.0        | 100.0         | 100.0  | 88.7      | 32.0 | 2.7  | 77.9     | 150   |
|  |                                     | 100.0 100.0 100.0 100.0 100.0 | 100.0        | 100.0         | 100.0  | 7.86      | 0.49 | 8.0  | 82.6     | 150   |
|  |                                     |                               |              |               | 0  |           |      |      |          |       |
|  |                                     |                               |              |               |  |           |      |      |          |       |
| TOTALS 100.0   |                                     | 100.0 100.0 100.0 100.0       | 100.0        | 100.0         | 7.66   | 81.5      | 47.7 | 6.8  | 19.3     | 1200  |

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#### RELATIVE HUMIDITY

AGANA, GUAM 41406 STATION

STATION NAME

73-77

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE | HOURS    |         |                                     | PERCENT | AGE FREQUENC | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | EATER THAN |      |      | MEAN     | TOTAL |
|--|----------|---------|-------------------------------------|---------|--------------|---------------|--|------------|------|------|----------|-------|
| MONIH  | (L.S.T.) | 10%     | 20%                                 | 30%     | 40%          | 20%           | %09  | 70%        | %08  | %06  | HUMIDITY | OBS.  |
| 301  | 10       | 100.001 | 100.0                               | 100.0   | 100.0        | 100.0         | 0000 100.0 100.0 100.0 100.0 100.0                     | 100.0      | 92.9 | 33,5 | 88.0     | 155   |
|  | *0       | 100.0   | 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0   | 100.0        | 100.0         | 100.0  | 100.0      | 96.8 | 36.8 | 88.4     | 155   |
|  | 10       | 100.0   | 100.0 100.0 100.0 100.0 100.0       | 100.0   | 100.0        | 100.0         | 100.0  | 100.0      | 8.96 | 47.1 | 0.69     | 155   |
|  | 10       | 100.0   | 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0   | 100.0        | 100.0         | 100.0  | 91.0       | 32.3 | 7:1  | 78.4     | 155   |
|  | 13       | 100.0   | 100.0 100.0 100.0 100.0 100.0       | 100.0   | 100.0        | 100.0         | 48.7   | 65.2       | 22.6 | 5.2  | 74.5     | 155   |
|  | 10       | 100.0   | 100.0 100.0 100.0 100.0 100.0       | 100.0   | 100.0        | 100.0         | 4.66   | 10.3       | 53.9 | 6.5  | 76.1     | 155   |
|  | 61       | 100.0   | 100.0 100.0 100.0 100.0 100.0       | 100.0   | 100.0        |               | 100.0  | 1.96       | 55.5 | 12,9 | 81.9     | 155   |
|  | 22       | 100.001 | 100.0                               | 100.0   | 100.0        | 100.0         | 00.00 100.0 100.0 100.0 100.0 100.0                    | 100.0      | 76.8 | 26,5 | 85.4     | 155   |
|  |          |         |                                     |         |              |               |  |            |      |      |          |       |
|  |          |         |                                     |         |              |               |  |            |      |      |          |       |
| 101  | TOTALS   | 100.0   | 100.0 100.0 100.0 100.0 100.0       | 100.0   | 100.0        | 100.0         | 8.66   | 90.3       | 62.2 | 22.0 | 82.7     | 1240  |

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#### RELATIVE HUMIDITY

STATION NAME ACANA, GUAM 41406 STATION

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL  | OBS.     | 155                                      | 155                                | 155                                       | 155                           | 155                     | 155         | 155                                 | 155               |     | 1260      |
|--|----------|--|------------------------------------|---|-------------------------------|-------------------------|-------------|-------------------------------------|-------------------|-----|-----------|
| MEAN   | HUMIDITY | 87.9                                     | 88.9                               | 89.0                                      | 79.8                          | 76.6                    | 17.1        | 83.0                                | 86.2              |     | A . E .   |
|  | %06      | 7.62                                     | 40.0                               | 39.4                                      | 9.0                           | 7.1                     | 4.0         | 9.7                                 | 20.02             |     | 30.4      |
|  | 80%      | 95.5                                     | 94.2                               | 97.4                                      | 41.3                          | 30.3                    | 31.0        | 62.6                                | 80<br>4           |     | 47.6 20.4 |
| ATER THAN  | 70%      | 100.0                                    | 100.0                              | 100.0                                     | 6.26                          | 73.5                    | 74.8        | 100.0                               | 100.0             |     | 93.6      |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09      | 0.001 0000 100.0 100.0 100.0 100.0 100.0 | 0.00 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0                         | 4.66                    | 100.0       |                                     |                   |     | 000       |
| OF RELATIVE  | 50%      | 100.0                                    | 100.0                              | 100.0                                     | 100.0 100.0 100.0 100.0 100.0 | 100.0                   | 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 |     |           |
| GE FREQUENCY   | 40%      | 100.0                                    | 100.0                              | 100.0                                     | 100.0                         | 100.0 100.0 100.0 100.0 | 100.0       | 100.0                               | 100.0             |     |           |
| PERCENTA   | 30%      | 100.0                                    | 100:0                              | 100.0                                     | 100.0                         | 100.0                   |             | 100.0                               | 100.0             |     |           |
|  | 20%      | 100.0                                    | 100.0                              | 100.0                                     | 100.0                         | 100.0                   | 100.0 100.0 | 100.0                               | 100.0 100.0       |     |           |
|  | %01      | 100.0                                    | 100.01                             | 100.0                                     | 100.0                         | 100.0                   | 100.0       | 100.0                               | 100.0             |     |           |
| HOURS  | (LS.T.)  | 10                                       | *0                                 | 07  | 10                            | 13                      | 10          | 19                                  | 22                |     | TOTALS    |
| TACA   | TINOW.   | AUG                                      |                                    |   |                               |                         | -/-         |                                     |                   | TOL | 5         |

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#### RELATIVE HUMIDITY

41406 AGANA, GUAM

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STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TACH  | HOURS   |         |       | PERCENTA                            | AGE FREQUENC      | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | EATER THAN |      |      | MEAN     | TOTAL |
|-------|---------|---------|-------|-------------------------------------|-------------------|---------------|--|------------|------|------|----------|-------|
| MONIE | (LS.T.) | 10%     | 20%   | 30%                                 | 40%               | %05           | %09  | 70%        | %08  | %06  | HUMIDITY | OBS.  |
| SEP   | 10      | 100.001 | 100.0 | 0000 100:0 100.0 100.0 100.0        | 100.0             | 100.0         | 100.0  | 66.3       | 85.9 | 20,1 | 85.5     | 149   |
|       | •0      | 100.0   | 100.0 | 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0             | 100.0         | 100.0  | 7.86       | 0.46 | 30.9 | 87.0     | 149   |
|       | 07      | 100.001 | 100.0 | 0.001 0.001 0.00                    |                   | 100.0         | 100.0 100.0  | 100.0      | 94.6 | 38,3 | 88.5     | 149   |
|       | 10      | 100.0   | 100.0 | 100.0                               | 100:0 100.0 100.0 | 100.0         | 99.3   | 6116       | 27.5 | 6.7  | 78.5     | 149   |
|       | 13      | 100.0   | 100.0 | 100:0 100.0                         |                   | 100.0         | 100.0  | 75.2       | 20.8 | 6.7  | 75.7     | 149   |
|       | 16      | 100.0   | 100.0 | 100.0                               | 100.0 100.0 100.0 | 100.0         | 99.3   | 81.2       | 25.5 | 6:7  | 76.7     | 149   |
|       | 19      | 100.0   | 100.0 | 100.0 100.0                         | 100.0             | 100.0         | 100.0  | 7.86       | 51.7 | 4.6  | 81.5     | 146   |
|       | 22      | 100.0   | 100.0 | 100.0                               | 100.0 100.0 100.0 | 100.0         | 100.0  | 7.86       | 75.2 | 17.4 | 84.2     | 149   |
|       |         |         |       |                                     |                   |               |  |            |      |      |          |       |
|       |         |         |       |                                     |                   |               |  |            |      |      |          |       |
| 5     | TOTALS  | 100.0   | 100.0 | 0.00 100.0 100.0 100.0              | 100.0             | 100.0         | 8.66   | 93.0       | 59.4 | 17.0 | 82.2     | 1192  |

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#### RELATIVE HUMIDITY

AGANA, GUAM 41406 STATION

STATION NAME

73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 1     | HOURS   |       |       | PERCENTA                      | GE FREQUENC | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | EATER THAN |                |       | MEAN     | TOTAL |
|-------|---------|-------|-------|-------------------------------|-------------|---------------|--|------------|----------------|-------|----------|-------|
| E NOW | (LS.T.) | %01   | 20%   | 30%                           | 40%         | 20%           | %09  | 20%        | 80%            | %0%   | HUMIDITY | OBS.  |
| 00.7  | 10      | 100.0 | 100.0 | 100.0                         | 100.0       | 100.0         | 100.0 100.0 100.0 100.0 100.0 100.0                    | 100.0      | 63.9           | 18.1  | 85.6     | 155   |
|       | 40      | 100.0 | 100.0 |                               | 100.0       | 100.0         | 100.0 100.0 100.0 100.0 100.0                          | 100.0      | 87.7           | 20.6  | 86.1     | 155   |
|       | 07      | 100.0 | 100.0 | 100.0                         | 100.0       | 100.0         | 100.0 100.0 100.0 100.0 100.0 100.0 100.0              | 100.0      | 89.7           | \$2.6 | 86.6     | 155   |
|       | 10      | 100.0 | 100.0 | 100:0 100.0                   | 100.0       | 100.0         | 100.0  | 67.7       | 29.0           | 6.5   | 77.9     | 155   |
|       | 13      | 100.0 | 100.0 | 100.0 100.0 100.0 100.0       | 100.0       | 100.0         | 98.1   | 62.6       | 18.1           | 2.6   | 73.9     | 155   |
|       | 16      | 100.0 | 100.0 | 100.0                         | 100.0       | 100.0         | 4.66   | 71.0       | 23.2           | 5.2   | 75.5     | 155   |
|       | 19      | 100.0 | 100.0 | 100.0 100.0 100.0 100.0 100.0 | 100.0       | 100.0         | 100.0  | 98.1       | 52,3           | 11.6  | 81.7     | 155   |
|       | 22      | 100.0 | 100.0 | 100.0                         | 100.0 100.0 | 100.0         | 100.0  | 7.86       | 74.2           | 16.1  | 94.4     | 155   |
|       |         |       |       |                               |             |               |  |            |                |       |          |       |
| 2     | TOTALS  |       | 3     |                               |             | 300           |  | 2          | 57.1 12.0 A1.5 | 12:0  | 5        | 200   |

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#### RELATIVE HUMIDITY

AGANA, GUAM

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STATION NAME

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| TOTAL  | 088.     | 150                          | 150                           | 150               | 150                     | 150              | 150                                 | 150               | 150                           | 1200             |
|--|----------|------------------------------|-------------------------------|-------------------|-------------------------|------------------|-------------------------------------|-------------------|-------------------------------|------------------|
| MEAN   | HUMIDITY | 86.2                         | 87.0                          | 87,3              | 78.3                    | 74.5             | 75.9                                | 83.5              | 99.6                          | 82.3             |
|  | %06      | 25,3                         | 32.7                          | 28,7              | 4:1                     | 0.4              | 5,3                                 | 117.3             | 20.7                          | 16.6             |
|  | 80%      | 85.3                         | 88.0                          | 92.0              | 32.7                    | 17.3             | 19.3                                | 68.7              | 86.0                          | 61.2             |
| ATER THAN  | 70%      | 100.0                        | 100.0                         | 100.0             | 90°0                    | 0.99             | 78.0                                | 99.3              | 99.3                          | 91.0             |
| PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | %09      | 0000 100:0 100:0 100:0 100:0 | 0.001 0.001 0.001 0.001 0.000 | 100.0 100.0 100.0 | 100.0                   | 99.3             | 100.0                               | 100.0             | 100.0                         | 6.66             |
| Y OF RELATIVE  | %0%      | 100.0                        | 100.0                         | 100.0             | 100.0                   | 100.0            | 100.0                               | 100.0 100.0       | 100.0                         | 0.001            |
| GE FREQUENC  | 40%      | 100.0                        | 100.0                         | 100.0             | 100.0                   |                  | 100.0                               |                   | 100.0                         | 100.00           |
| PERCENTA   | 30%      | 100.0                        | 100.0                         | 0.001 0.001 0.00  | 0.001 0.001 0.001 0.000 | 0.001 0.001 0.00 | 100.0 100.0 100.0 100.0 100.0 100.0 | 100.0 100.0 100.0 | 100.0 100.0 100.0 100.0 100.0 | 0.00 100.0 100.0 |
|  | 20%      | 100.0                        | 100.0                         | 100.0             |                         | 100.0            | 100.0                               | 100.0             | 100.0                         | 100.0            |
|  | 10%      | 100.0                        | 100.01                        | 100.001           | 100.001                 | 100.0            | 100.0                               | 100.0             | 100.0                         | 100.0            |
| HOURS  | (LS.T.)  | 10                           | *0                            | 10                | 10                      | 13               | 91                                  | 13                | 22                            | TOTALS           |
| HINOM  |          | NOV                          |                               |                   |                         |                  |                                     |                   |                               | TOT              |

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#### RELATIVE HUMIDITY

AGANA, GUAM 41406 STATION

STATION NAME

73-76

DEC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| 0.00 | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 30% 40% 50% 70% | SO% CONTRACTOR | OILY GREATE | R THAN | 80%  | %06  | MEAN<br>RELATIVE<br>HUMIDITY | TOTAL<br>NO. OF<br>OBS. |
|------|--|----------------|-------------|--------|------|------|------------------------------|-------------------------|
| -    | 100.0 100.0 100.0 100.0 100.0  | 0.0            | 0.0         | 0.00   | 70.2 | 12.9 | 83.7                         | 124                     |
| -    | 100.0 100.0 100.0 100.0  | 0.0 10         | 0.0         | 99.2   | 72.6 | 16.5 | 84.3                         | 124                     |
| -    | 100.0 100.0 100.0 100.0 100.0 100.0                                    | 0.0            | -           | 4.86   | 72.6 | 14.5 | 84.0                         | 124                     |
| -    | 100.0 100.0 10   | 100.0 10       | 100.0       | 81.5   | 16.9 | 3.2  | 75.8                         | 124                     |
| -    | 100.0 100.0 100.0 100.0 100.0  | -              | 3.66        | 47.6   | 11.3 |      | 71.4                         | 124                     |
|      | 100.0 100.0 10   | 100.0          | 99.2        | 59.7   | 10.5 | 1.6  | 72.8                         | 124                     |
| -    | 100.0 100.0 10   | 100.0 100.0    | +           | 4.86   | 46.0 | 3.6  | 90.08                        | 124                     |
|      | 100.0 100.0 10   | 100.0 10       | 100.0       | 4.86   | 63.7 | 6.9  | 82,2                         | 124                     |
|      |  |                |             |        |      |      |                              |                         |
|      |  |                |             |        |      |      |                              |                         |
| 0    |  |                | 9           | 1      | 3,   |      | 70.4                         | 992                     |

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#### RELATIVE HUMIDITY

41406 AGANA, GUAM

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STATION NAME

73-77

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| THE PERSON | HOURS    |             |                   | PERCENTA | GE FREQUENC | Y OF RELATIVE | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | ATER THAN |       |       | MEAN     | TOTAL |
|------------|----------|-------------|-------------------|----------|-------------|---------------|--|-----------|-------|-------|----------|-------|
| MONIA      | (L.S.T.) | %01         | 20%               | 30%      | 40%         | %05           | %09  | 20%       | %08   | %06   | HUMIDITY | OBS.  |
| JAN        | ALL      | 100.0 100.0 | 100.0             | 100.0    | 100.0       | 6.66          | 97.4   | 77        | 36.5  | 5:7   | 77.4     | 1240  |
| F          |          | 100.0 100.0 | 100.0             | 100.0    | 100.0       | 4.66          | 6.46   | 72.9      | 41.0  | 0.0   | 77.0     | 1128  |
| MAR        |          | 100.0       | 100.0 100.0       | 100.0    | 6.66        | 9.66          | 0.96   | 76.4      | 43.6  | 6.6   | 78.0     | 1240  |
| APR        |          | 100.0 100.0 | 100.0             | 100.0    | 100.0       | 6.66          | 97.8   | 80.3      | 39.4  | 5.6   | 77.8     | 1200  |
| MAY        |          | 100.0       | 100.0 100.0       | 100.0    | 100.0       | 6.66          | 98.7   | 80.0      | 48.5  | 14,3  | 79.5     | 1240  |
| NOC        |          | 100.0 100.0 | 100.0             | 100.0    | 100.0       | 100.0         | 49.7   | 81.5      | 47.7  | 6.9   | 79.3     | 1200  |
| 100        |          | 100.0       | 100.0 100.0       | 100.0    | 100.0       | 100.0         | 8.66   | 90.3      | 62.2  | 22.0  | 1.28     | 1240  |
| AUG        |          | 100.0 100.0 | 100.0             | 100.0    | 100.0       | 100.0         | 6.66   | 95.6      | 67.6  | \$0.4 | 83.6     | 1240  |
| SEP        |          | 100.0 100.0 | 100.0             | 100.0    | 100.0       | 100.0         | 8.66   | 93.0      | \$9.4 | 17.0  | 82.2     | 1192  |
| 130        |          | 100.0 100.0 | 100.0             | 100.0    | 100.0       | 100.0         | 4.66   | 89.8      | 57.3  | 12,9  | 81,5     | 1240  |
| NON        |          | 100.0       | 100.0 100.0       | 100.0    | 100.0       | 100.0         | 666  | 91.6      | 61.2  | 16.6  | 82.3     | 1200  |
| DEC        |          | 100.0 100   | 100.0             | 100.0    | 100.0       | 100.0         | 8.66   | 45.4      | 45.5  | 8.0   | 79.4     | 992   |
| TOT        | TOTALS   | 100.0       | 100.0 100.0 100.0 |          | 100.0       | 6.66          | 98.6   | 84.3      | 50.8  | 12.3  | 80.1     | 14352 |

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| E FREQUENCY OF AIR TEMPERATURE |     |
|--------------------------------|-----|
| OF AIR TE                      |     |
| REQUENCY                       | 277 |
| PERCENTAGE FF                  |     |
| PERCE                          |     |

JANUARY 1973-DECEMBER 1977

| 1          | -    | -    |       |      |      |      |     |       |      |       |       |
|------------|------|------|-------|------|------|------|-----|-------|------|-------|-------|
| TEMP.      | MNN  | NNE  | ENE . | ESE  | SSE  | ssw  | wsw | www   | CALM | TOTAL | % OF  |
|            | Z    | & NE | 3 8   | & SE | 8.5  | WS & | × × | W N W | -    | PREG. | IOIAL |
| 122+       |      |      |       |      |      |      |     |       |      |       |       |
| 121 01 711 |      |      |       |      |      |      |     |       |      |       |       |
| 112 TO 116 |      |      |       |      |      |      |     |       |      |       |       |
| 111 01 701 |      |      |       |      |      |      |     |       |      |       |       |
| 102 TO 106 |      |      |       |      |      |      |     |       |      |       |       |
| 101 07 76  |      |      |       |      |      |      |     |       |      |       |       |
| 92 10 96   |      |      |       |      |      |      |     |       |      |       |       |
| 16 01 78   | 16.7 |      | 33.3  |      | 10.7 |      |     |       |      | 9     |       |
| 82 TO 86   | 3.8  |      | 58.0  | 10.0 | 2.5  | 6.   | 1.3 | 6.    |      | 319   |       |
| 18 07 77   | 3.7  | 32.4 | 53.5  | 5.3  | 2.1  |      | 9.  | 9.    | 1.3  | 076   | 54.7  |
| 72 TO 76   | 3.7  |      | 52.3  | 4.2  | . 5  | 6.   |     | 1.4   |      | 216   |       |
| 17 07 78   |      |      | 61.9  |      |      |      |     |       | 23.8 | 21    | 1.    |
| 62 TO 66   |      |      |       |      |      |      |     |       |      |       |       |
| 19 01 75   |      |      |       |      |      |      |     |       |      |       |       |
| 52 70 56   |      |      |       |      |      |      |     |       |      |       |       |
| 12 07 74   |      |      |       |      |      |      |     |       |      |       |       |
| 42 TO 46   |      |      |       |      |      |      |     |       |      |       |       |
| 37 TO 41   |      |      |       |      |      |      |     |       |      |       |       |
| 32 TO 36   |      |      |       |      |      |      |     |       |      |       |       |
| 27 TO 31   |      |      |       |      |      |      |     |       |      |       |       |
| 22 TO 26   |      |      |       |      |      |      |     |       |      |       |       |
| 17 10 21   |      |      |       |      |      |      |     |       |      |       |       |
| 12 TO 16   |      |      |       |      |      |      |     |       |      |       |       |
| 7 10 11    |      |      |       |      |      |      |     |       |      |       |       |
| 2 70 6     |      |      |       |      |      |      |     |       |      |       |       |
| -3 TO 1    |      |      |       |      |      |      |     |       |      |       |       |
| -8 70-4    |      |      |       |      |      |      |     |       |      |       |       |
| -13 TO -9  |      |      |       |      |      |      |     |       |      |       |       |
| -18 TO-14  |      |      |       |      |      |      |     |       |      |       |       |
| -23 TO-19  |      |      |       |      |      |      |     |       |      |       |       |
| -28 TO-24  |      |      |       |      |      |      |     |       |      |       |       |
| -33 TO-29  |      |      |       |      |      |      |     |       |      |       |       |
| -38 TO-34  |      |      |       |      |      |      |     |       |      |       |       |
| -43 TO -39 |      |      |       |      |      |      |     |       |      |       |       |
| -48 TO-44  |      |      |       |      |      |      |     |       |      |       |       |
| -53 TO -49 |      |      |       |      |      |      |     |       |      |       |       |
| -58 TO-54  |      |      |       |      |      |      |     |       |      |       |       |
| -59 & LWR  |      |      |       |      |      |      |     |       |      |       |       |
| TOTALS     | 3.7  | 28.9 | 54.3  | 6.3  | 0    |      | 4   |       | -    | 740   | 000   |

| OF AIR TEMPERATURE                      |     |       |
|---|-----|-------|
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | vs. | 0.101 |

AGANA, GUAM

JANUARY 1973-DECEMBER 1977 FEBRUARY

| - | MONT  |  |
|---|-------|--|
|   |       |  |
|   |       |  |
|   |       |  |
|   | YEARS |  |
|   |       |  |

| TEMP.      | NN X | N N N | E Z  | ESE<br>A SE | SSE | SSW<br>8 SW | wsw<br>w & | NN N | CALM | FREG. | % OF<br>TOTAL |
|------------|------|-------|------|-------------|-----|-------------|------------|------|------|-------|---------------|
| 1          | 2 8  | 8 26  |      | 9.36        | C & |             | :          |      |      | 5     |               |
| 122+       |      |       |      |             |     |             |            |      |      |       |               |
| 117 TO 121 |      |       |      |             |     |             |            |      |      |       |               |
| 112 TO 116 |      |       |      |             |     |             |            |      |      |       |               |
| 111 07 701 |      |       |      |             |     |             |            |      |      |       |               |
| 102 TO 106 |      |       |      |             |     |             |            |      |      |       |               |
| 101 01 76  |      |       |      |             |     |             |            |      |      |       |               |
| 92 10 96   |      |       |      |             |     |             |            |      |      |       |               |
| 16 OT 78   |      | 100.0 |      |             |     |             |            |      |      | -     | 7.            |
| 82 TO 86   | 4.4  |       | 59.7 | 7.4         |     |             |            | 2.0  |      | 298   | 56.4          |
| 18 07 77   | 6.2  | 1     | 47.8 | 4.3         | 1.6 |             | • 5        |      | 2.   | 011   | 54.2          |
| 72 TO 76   | 2.8  | -     | 1.09 | 6.          |     |             |            |      | 6.   | 211   | 18.           |
| 17 07 78   |      | 57.1  | 45.9 |             |     |             |            |      |      |       | 9.            |
| 62 TO 66   |      |       |      |             |     |             |            |      |      |       |               |
| 19 01 75   |      |       |      |             |     |             |            |      |      |       |               |
| 52 TO 56   |      |       |      |             |     |             |            |      |      |       |               |
| 47 TO S1   |      |       |      |             |     |             |            |      |      |       |               |
| 42 TO 46   |      |       |      |             |     |             |            |      |      |       |               |
| 37 TO 41   |      |       |      |             |     |             |            |      |      |       |               |
| 32 TO 36   |      |       |      |             |     |             |            |      |      |       |               |
| 27 TO 31   |      |       |      |             |     |             |            |      |      |       |               |
| 22 TO 26   |      |       |      |             |     |             |            |      |      |       |               |
| 17 TO 21   |      |       |      |             |     |             |            |      |      |       |               |
| 12 TO 16   |      |       |      |             |     |             |            |      |      |       |               |
| 11 01 7    |      |       |      |             |     |             |            |      |      |       |               |
| 2 70 6     |      |       |      |             |     |             |            |      |      |       |               |
| -3 TO 1    |      |       |      |             |     |             |            |      |      |       |               |
| -8 10-4    |      |       |      |             |     |             |            |      |      |       |               |
| -13 TO -9  |      |       |      |             |     |             |            |      |      |       |               |
| -18 TO-14  |      |       |      |             |     |             |            |      |      |       |               |
| -23 TO-19  |      |       |      |             |     |             |            |      |      |       |               |
| -28 TO-24  |      |       |      |             |     |             |            |      |      |       |               |
| -33 TO-29  |      |       |      |             |     |             |            |      |      |       |               |
| -38 TO-34  |      |       |      |             |     |             |            |      |      |       |               |
| -43 TO-39  |      |       |      |             |     |             |            |      |      |       |               |
| -48 TO-44  |      |       |      |             |     |             |            |      |      |       |               |
| -53 TO-49  |      |       |      |             |     |             |            |      |      |       |               |
| -58 TO-54  |      |       |      |             |     |             |            |      |      |       |               |
| -59 & LWR  |      |       |      |             |     |             |            |      |      |       |               |
| TOTALS     | 5.1  | 33.4  | e i  | 4.4         | 0.  |             |            | 1.0  |      | 97    | 100.0         |

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AGANA, GUAM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

JANUARY 1973-DECEMBER 1977

MARCH

ALL

WIND DIRE

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|------------|------|-------|------|-------------|------------|-------------|-------------------|------|------|----------------|---------------|
| TEMP.      | NN N | S Z S | S EN | ESE<br>& SE | SSE<br>& S | SSW<br>S SW | wsw<br>w <b>8</b> | wn w | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
| 122+       |      |       |      |             |            |             |                   |      |      | 79             |               |
| 17 10 121  |      |       |      |             |            |             |                   |      |      |                |               |
| 112 TO 116 |      |       |      |             |            |             |                   |      |      |                |               |
| 111 07 701 |      |       |      |             |            |             |                   |      |      |                |               |
| 102 TO 106 |      |       |      |             |            |             |                   |      |      |                |               |
| 101 07 76  |      |       |      |             |            |             |                   |      |      |                |               |
| 92 TO 96   |      |       |      |             |            |             |                   |      |      |                |               |
| 16 01 78   | 25.0 | 50.0  | 25.0 |             |            |             |                   |      |      | 4              |               |
| 82 TO 86   | 2.5  |       |      |             | 1.0        |             |                   |      |      | 315            | 25.4          |
| 18 07 77   | 3.1  |       |      | 1.8         |            | .1          | .3                | .1   | 1.0  |                |               |
| 72 TO 76   | 6.1  |       |      |             |            |             |                   |      | 2.9  | 72             | 19            |
| 17 07 79   |      | 62.5  | 37.5 |             |            |             |                   |      |      | 8              | 9.            |
| 62 TO 66   |      |       |      |             |            |             |                   |      |      |                |               |
| 57 TO 61   |      |       |      |             |            |             |                   |      |      |                |               |
| 52 TO 56   |      |       |      |             |            |             |                   |      |      |                |               |
| 47 TO S1   |      |       |      |             |            |             |                   |      |      |                |               |
| 42 TO 46   |      |       |      |             |            |             |                   |      |      |                |               |
| 37 TO 41   |      |       |      |             |            |             |                   |      |      |                |               |
| 32 TO 36   |      |       |      |             |            |             |                   |      |      |                |               |
| 27 TO 31   |      |       |      |             |            |             |                   |      |      |                |               |
| 22 TO 26   |      |       |      |             |            |             |                   |      |      |                |               |
| 17 10 21   |      |       |      |             |            |             |                   |      |      |                |               |
| 12 TO 16   |      |       |      |             |            |             |                   |      |      |                |               |
| 7 TO 11    |      |       |      |             |            |             |                   |      |      |                |               |
| 2 70 6     |      |       |      |             |            |             |                   |      |      |                |               |
| -3 TO 1    |      |       |      |             |            |             |                   |      |      |                |               |
| -8 TO-4    |      |       |      |             |            |             |                   |      |      |                |               |
| -13 TO -9  |      |       |      |             |            |             |                   |      |      |                |               |
| -18 TO-14  |      |       |      |             |            |             |                   |      |      |                |               |
| -23 TO-19  |      |       |      |             |            |             |                   |      |      |                |               |
| -28 TO-24  |      |       |      |             |            |             |                   |      |      |                |               |
| -33 TO-29  |      |       |      |             |            |             |                   |      |      |                |               |
| -38 TO-34  |      |       |      |             |            |             |                   |      |      |                |               |
| -43 TO -39 |      |       |      |             |            |             |                   |      |      |                |               |
| -48 TO-44  |      |       |      |             |            |             |                   |      |      |                |               |
| -53 TO-49  |      |       |      |             |            |             |                   |      |      |                |               |
| -58 TO-54  |      |       |      |             |            |             |                   |      |      |                |               |
| -59 & LWR  |      |       |      |             |            |             |                   |      |      |                |               |
| TOTALS     | 3.0  | 2%.1  | 52.3 | 2.2         |            | -:          | 2.                |      | 1.1  | 1240           | 1240 100.0    |

ALL

2339

33.0 1200 100.0 APRIL % OF TOTAL 130 TOTAL FREG. JANUARY 1973-DECEMBER 1977 . CALM PERCENTAGE FREQUENCY OF AIR TEMPERATURE 7. www www 1.0 . 3 wsw w & WIND DIRECTION SSW SW WIND DIRECTION 2. SSE & S 2.2 6.1 ESE & SE 100.0 76.2 68.9 71.00 S S 23.8 21.8 NNE & 3.2 2.7 AGANAS GUAM N Z -59 & LWR -23 TO-19 -28 TO-24 -43 TO -39 -48 TO-44 -53 TO-49 -58 TO-54 101 01 26 -13 TO -9 -18 TO-14 -33 TO-29 -38 TO-34 112 TO 116 92 10 96 16 01 78 57 TO 61 27 TO 31 82 TO 86 52 70 56 72 10 76 17 OT 79 32 TO 36 22 TO 26 47 TO S1 42 TO 46 37 TO 41 17 10 21 7 10 11 117 10 128 107 TO 111 102 TO 106 77 TO 81 62 TO 66 12 TO 16 -3 10 1 -8 10-4 122+ 2 70 6 41406 STATION

| R TEMPERATURE                           |     |
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| 4                                       |     |
| OF                                      |     |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | .57 |

STATION NAME

ACANA, GUAM

41406 STATION

JANUARY 1973-DECEMBER 1977

.

ALL

MAY MONTH

35.2 % OF TOTAL 102 TOTAL FREQ. 5.3 13.0 CALM 4 8 6 > × × 1.1 wsw 8 - 5 E WIND DIRECTION SSW SSW 55.3 SSE & S ESE & SE 21.7 ENE ENE 5.3 NNE NE NE 3.8 N N N -18 TO-14 -33 TO-29 -38 TO-34 -13 TO -9 -23 TO-19 -28 TO-24 -43 TO-39 92 10 96 52 TO 56 111 07 701 16 01 78 82 TO 86 37 TO 41 101 01 26 18 01 77 32 TO 36 17 10 21 -8 10-4 102 TO 106 17 OT 78 47 TO 51 42 TO 46 27 TO 31 22 TO 26 -3 TO 1 117 TO 121 112 TO 116 62 TO 66 72 10 76 57 TO 61 12 TO 16 11 OT 7 2 10 6 122+

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NAVWEASERVCOM

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27 TO 31

22 TO 26 17 TO 21 12 TO 16

41406 STATION

AGANA, GUAM

STATION NAME

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17 70 121 112 70 116 111 07 701 102 TO 106

122+

WIND DIRECTION SSE & S

8 SW

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

JANUARY 1973-DECEMBER 1977

% OF TOTAL

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| FREGUENC                                | ۸۶       |
| FREGUENC                                | ۸۶       |
| E FREGUENC                              | ۸S       |
| E FREGUENC                              | ۸۶       |
| GE FREQUENC                             | ۸S       |
| AGE FREQUENC                            | SA       |
| AGE FREQUENC                            | ۸۶       |
| TAGE FREQUENC                           | ۸۶       |
| TAGE FREQUENC                           | S/       |
| NTAGE FREQUENC                          | SA       |
| ENTAGE FREQUENC                         | SA       |
| ENTAGE FREQUENC                         | SA       |
| CENTAGE FREQUENC                        | SA       |
| SCENTAGE FREQUENC                       | SA       |
| RCENTAGE FREQUENC                       | SA       |
| ERCENTAGE FREQUENC                      | SA       |
| ERCENTAGE FREQUENC                      | SA       |
| PERCENTAGE FREQUENCY OF AIR LEMPERATURE | SA       |

STATION NAME

AGANA, GUAM

41406 STATION

JANUARY 1973-DECEMBER 1977

ALL

101

32.3 % OF TOTAL 100 401 TOTAL FREQ. 36.4 CALM 1.6 NN N NN N 3.2 wsw 8 w S SW WIND DIRECTION 9.00 SSE 21.4 ESE & SE 49.6 ENE ENE 7.2 NNE NE 4 . 4 NN N -28 TO-24 -38 10-34 -59 & LWR -18 TO-14 -33 10-29 -43 TO-39 -48 TO-44 -53 TO-49 -58 TO -54 -13 10 -9 -23 TO-19 112 TO 116 87 TO 91 19 01 78 52 TO 56 37 TO 41 22 TO 26 17 10 21 111 07 701 102 TO 106 101 01 76 92 10 96 72 10 76 67 TO 71 62 TO 66 32 10 36 27 TO 31 82 TO 86 42 TO 46 121 01 711 18 07 77 47 TO 51 12 TO 16 7 10 11 -3 70 1 -8 10-4 2 10 6

NAVWEASERVCOM

1340 160.0

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| E FREQUENCY OF AIR TEMPERATURE |     |
|--------------------------------|-----|
| AIR                            |     |
| OF                             |     |
| FREQUENCY                      | 3/1 |
|                                |     |
| PERCENTAGE                     |     |

AGANAS GUAM

|              | JANUARY 1973-DECEMBER 1977 | AUGUST |     |
|--------------|----------------------------|--------|-----|
| STATION NAME | YEARS                      | MONTH  | ООН |
|              | WIND DIRECTION             |        |     |

|            |      |      |      |             | WIND DIRECTION | CTION       |            |      |      |                | -             |
|------------|------|------|------|-------------|----------------|-------------|------------|------|------|----------------|---------------|
| TEMP.      | NN N | N NE | S EN | ESE<br>& SE | SSE<br>& S     | SSW<br>& SW | wsw<br>& w | www. | CALM | TOTAL<br>FREG. | % OF<br>TOTAL |
| 122+       |      |      |      |             |                |             | 7          |      |      |                |               |
| 17 10 121  |      |      |      |             |                |             |            |      |      |                |               |
| 112 TO 116 |      |      |      |             |                |             |            |      |      |                |               |
| 111 07 701 |      |      |      |             |                |             |            |      |      |                |               |
| 102 TO 106 |      |      |      |             |                |             |            |      |      |                |               |
| 101 01 76  |      |      |      |             |                |             |            |      |      |                |               |
| 92 TO 96   |      |      |      |             |                |             |            |      |      |                |               |
| 87 TO 91   | 4.2  |      | 30.5 | 35.8        |                | 4.2         | 7.4        | 3.2  |      | 95             |               |
| 82 TO 86   | 3.6  | 0.4  | 45.3 | 22.6        | 8.0            | 4.7         | 4.7        | 3.6  | 3.1  | 329            | 29.0          |
| 77 TO 81   | 2.7  |      | 31.9 | 16.2        |                | 6.0         | 4.7        | 2.1  |      | 152            |               |
| 72 TO 76   | 5.9  |      | 20.0 | 11.8        |                | 11.8        | 17.6       |      | 2.9  | 36             | 2.            |
| 67 TO 71   |      |      |      |             |                |             |            |      |      |                |               |
| 62 TO 66   |      |      |      |             |                |             |            |      |      |                |               |
| 57 TO 61   |      |      |      |             |                |             |            |      |      |                |               |
| 52 TO 56   |      |      |      |             |                |             |            |      |      |                |               |
| 47 TO S1   |      |      |      |             |                |             |            |      |      |                |               |
| 42 TO 46   |      |      |      |             |                |             |            |      |      |                |               |
| 37 TO 41   |      |      |      |             |                |             |            |      |      |                |               |
| 32 TO 36   |      |      |      |             |                |             |            |      |      |                |               |
| 27 TO 31   |      |      |      |             |                |             |            |      |      |                |               |
| 22 TO 26   |      |      |      |             |                |             |            |      |      |                |               |
| 17 10 21   |      |      |      |             |                |             |            |      |      |                |               |
| 12 TO 16   |      |      |      |             |                |             |            |      |      |                |               |
| 7 70 11    |      |      |      |             |                |             |            |      |      |                |               |
| 2 70 6     |      |      |      |             |                |             |            |      |      |                |               |
| -3 TO 1    |      |      |      |             |                |             |            |      |      |                |               |
| -8 TO-4    |      |      |      |             |                |             |            |      |      |                |               |
| -13 TO -9  |      |      |      |             |                |             |            |      |      |                |               |
| -18 TO-14  |      |      |      |             |                |             |            |      |      |                |               |
| -23 TO-19  |      |      |      |             |                |             |            |      |      |                |               |
| -28 TO-24  |      |      |      |             |                |             |            |      |      |                |               |
| -33 TO-29  |      |      |      |             |                |             |            |      |      |                |               |
| -38 TO-34  |      |      |      |             |                |             |            |      |      |                |               |
| -43 TO-39  |      |      |      |             |                |             |            |      |      |                |               |
| -48 TO-44  |      |      |      |             |                |             |            |      |      |                |               |
| -53 TO -49 |      |      |      |             |                |             |            |      |      |                |               |
| -58 TO -54 |      |      |      |             |                |             |            |      |      |                |               |
| -59 & LWR  |      |      |      |             |                |             |            |      |      |                |               |
| TOTALS     | 3.1  | 6.1  | 34.5 | 19.4        | 13.1           | 9.6         | 5.2        | 2.6  | 8.9  | 0921           | 1240 100.0    |

NAVWEASERVCOM

| SE FREQUENCY OF AIR TEMPERATURE |     |
|---------------------------------|-----|
| AIR                             |     |
| OF                              |     |
| FREQUENCY                       | 3/1 |
| PERCENTAGE                      |     |
|                                 |     |

AGANAS GUAM

JANUARY 1973-DECEMBER 1977 SEPTEMBER

| TEMP.      | N Z Z | 37 X | S S  | £5£<br>& 5£ | SSE<br>& S | S SW | wsw<br>8 w | wnw<br>wnw | CALM | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|-------|------|------|-------------|------------|------|------------|------------|------|----------------|---------------|
| 122+       |       |      |      |             |            |      |            |            |      |                |               |
| 121 01 211 |       |      |      |             |            |      |            |            |      |                |               |
| 112 TO 116 |       |      |      |             |            |      |            |            |      |                |               |
| 111 07 701 |       |      |      |             |            |      |            |            |      |                |               |
| 102 TO 106 |       |      |      |             |            |      |            |            |      |                |               |
| 101 07 76  |       |      |      |             |            |      |            |            |      |                |               |
| 92 TO 96   |       |      |      |             |            |      |            |            |      |                |               |
| 16 01 78   | 7.2   |      | 31.9 |             | 14.5       | 1.4  | 5.9        | 5.8        |      | 69             | 5.8           |
| 82 TO 86   | 4.9   |      |      |             | 13.2       | 2.7  | 10.8       |            |      | 408            |               |
| 18 07 77   | 3.2   | 12.0 |      | 11.3        | 11.5       | 4.6  | 4.4        |            |      | 689            |               |
| 72 TO 76   |       | 1.1  |      |             | 38.5       | 11.5 | 11.5       |            | 11.5 | 26             | 2.1           |
| 17 07 78   |       |      |      |             |            |      |            |            |      |                |               |
| 62 TO 66   |       |      |      |             |            |      |            |            |      |                |               |
| S7 TO 61   |       |      |      |             |            |      |            |            |      |                |               |
| 52 TO 56   |       |      |      |             |            |      |            |            |      |                |               |
| 12 07 74   |       |      |      |             |            |      |            |            |      |                |               |
| 42 TO 46   |       |      |      |             | 1          |      |            |            |      |                |               |
| 37 10 41   |       |      |      |             |            |      |            |            |      |                |               |
| 32 TO 36   |       |      |      |             |            |      |            |            |      |                |               |
| 27 TO 31   |       |      |      |             |            |      |            |            |      |                |               |
| 22 TO 26   |       |      |      |             |            |      |            |            |      |                |               |
| 17 TO 21   |       |      |      |             |            |      |            |            |      |                |               |
| 12 TO 16   |       |      |      |             |            |      |            |            |      |                |               |
| 7 10 11    |       |      |      |             |            |      |            |            |      |                |               |
| 2 70 6     |       |      |      |             |            |      |            |            |      |                |               |
| -3 TO 1    |       |      |      |             |            |      |            |            |      |                |               |
| -8 10-4    |       |      |      |             |            |      |            |            |      |                |               |
| -13 TO -9  |       |      |      |             |            |      |            |            |      |                |               |
| -18 TO-14  |       |      |      |             |            |      |            |            |      |                |               |
| -23 TO-19  |       |      |      |             |            |      |            |            |      |                |               |
| -28 TO-24  |       |      |      |             |            |      |            |            |      |                |               |
| -33 TO-29  |       |      |      |             |            |      |            |            |      |                |               |
| -38 10-34  |       |      |      |             |            |      |            |            |      |                |               |
| -43 TO-39  |       |      |      |             |            |      |            |            |      |                |               |
| -48 TO-44  |       |      |      |             |            |      |            |            |      |                |               |
| -53 TO-49  |       |      |      |             |            |      |            |            |      |                |               |
| -58 10-54  |       |      |      |             |            |      |            |            |      |                |               |
| -59 & LWR  |       |      |      |             |            |      |            |            |      |                |               |
| TOTALS     | 3.9   | 10.4 | 33.3 | 12.1        | 12.8       | · ·  | 4.6        | 2.9        | 10.2 | 1192           | 100.0         |

NAVWEASERVCOM

| PERCENTAGE FREQUENCY OF AIR TEMPERATURE | VS. |
|---|-----|
| PERCENTAGE FRE                          |     |

|  | AGANA, GUAN | JANUARY 1973-DECEMBER 1977 | 7 OCTOBER |
|--|-------------|----------------------------|-----------|
|--|-------------|----------------------------|-----------|

| ANW NNE ENE SSE SSW WNW WNW WNW WNW WNW WNW WNW WNW WNW  |            |      | -    | -                 |             | -          |             |            |       |      |                |               |
|--|------------|------|------|-------------------|-------------|------------|-------------|------------|-------|------|----------------|---------------|
| 2.3 11.6 64.0 17.4 3.5 3.9 1.4 2.3 434 2.0 10.4 2.0 17.4 2.0 17.4 2.0 1.4 2.0  | TEMP.      | NN S | S NE | e e<br>E e<br>E e | ESE<br>& SE | SSE<br>SAS | SSW<br>S SW | wsw<br>8 w | ××× × | CALM | TOTAL<br>FREG. | % OF<br>TOTAL |
| 2.3 11.6 64.0 17.4 3.5 1.2 2.3 44.8 4.8 1.2 2.3 4.8 4.8 1.4 2.3 1.4 2. | 122+       |      |      |                   |             |            |             |            |       |      |                |               |
| 2.3 11.6 64.0 17.4 3.5 2.9 11.2 2.3 4.34 2.0 17. | 177 10121  |      |      |                   |             |            |             |            |       |      |                |               |
| 2.3 11.6 64.0 17.4 3.5 2.3 11.6 64.0 17.4 3.5 2.3 11.6 64.0 17.4 3.5 2.3 11.6 64.0 17.4 3.5 2.3 11.6 64.0 17.4 2.3 2.0 1.4 2.3 43.6 64.0 17.0 32.0 28.0 12.0 4.0 4.0 2.3 43.6 64.0 17.4 2.3 2.3 2.0 28.0 12.0 28.0 12.0 4.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2  | 112 TO 116 |      |      |                   |             |            |             |            |       |      |                |               |
| 2.3 11.6 64.0 17.4 3.5 2.9 1.7 2.9 1.7 2.9 1.4 2.3 434 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0 2.0   | 107 70111  |      |      |                   |             |            |             |            |       |      |                |               |
| 2.3 11.6 64.0 17.4 3.5 2.9 1.4 2.3 434 2.9 16.5 4.8 2.0 17.6 28.0 12.0 4.0 17.6 29.5 20.0 20.0 20.0 20.0 20.0 20.0 20.0 20   | 102 TO 106 |      |      |                   |             |            |             |            |       |      |                |               |
| 2.3 11.6 64.0 17.4 3.5 1.2 434 53.0 17.4 5.5 2.3 434 53.0 15.6 8.1 2.3 434 5.0 32.0 22.0 1.7 5.0 23 434 52.0 32.0 22.0 1.7 5.0 22 20.0 32.0 22.0 1.7 5.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 22 20.0 32.0 32  | 101 01 76  |      |      |                   |             |            |             |            |       |      |                |               |
| 2.3 11.6 64.0 17.4 3.5 1.2 2.3 4.86 4.8 19.4 53.0 12.0 4.0 1.4 5.3 4.34 5.0 32.0 28.0 12.0 4.0 4.0 23 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0 5.0  | 92 TO 96   |      |      |                   |             |            |             |            |       |      |                |               |
| 4,8 9,4 53.0 16.6 8.1 .5 3.9 1.4 2.3 434  2,9 16,5 48.2 15.1 0,3 .7 2.9 1.7 5.0 695  20,0 32.0 28.0 12.0 4.0 4.0 5.0 695  20,0 32.0 28.0 12.0 4.0 4.0 5.0 695  4,0 4,0 4,0 5.0 695  4,0 5,0 5,0 695  4,0 6,0 7,0 6,0 695  4,0 7,0 7,0 7,0 7,0 7,0 7,0 7,0 7,0 7,0 7  | 16 01 78   | 2.3  |      | 0.40              | 17.4        | (A)        |             |            | 1.2   |      | 86             |               |
| 2.9 16.5 48.2 15.1 6.3 .7 2.9 1.7 5.0 093  20.0 32.0 28.0 12.0 4.0 25  20.1 2.2 4.2 15.1 6.3 .7 2.9 1.7 5.0 093  | 82 TO 86   | 4.8  |      | 53.0              | 16.6        | 8.1        | .5          | 3.9        | 1.4   |      | 434            |               |
| 20.0 32.0 28.0 12.0 4.0 4.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0 25  | 18 07 77   | 2.9  |      | 2.84              | 15.1        | 6.3        |             | 5.9        | 1.7   | 5.6  | 695            | 56.0          |
|  | 72 TO 76   |      | 20.0 | 32.0              | 28.0        | 12.0       |             | 0.4        |       | 0.4  | 52             | 2.0           |
|  | 17 07 79   |      |      |                   |             |            |             |            |       |      |                |               |
|  | 62 TO 66   |      |      |                   |             |            |             |            |       |      |                |               |
|  | 19 01 75   |      |      |                   |             |            |             |            |       |      |                |               |
|  | 52 TO 56   |      |      |                   |             |            |             |            |       |      |                |               |
|  | 47 TO 51   |      |      |                   |             |            |             |            |       |      |                |               |
|  | 42 TO 46   |      |      |                   |             |            |             |            |       |      |                |               |
|  | 37 TO 41   |      |      |                   |             |            |             |            |       |      |                |               |
|  | 32 TO 36   |      |      |                   |             |            |             |            |       |      |                |               |
|  | 27 TO 31   |      |      |                   |             |            |             |            |       |      |                |               |
| 1.14<br>1.19<br>1.19<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29   | 22 TO 26   |      |      |                   |             |            |             |            |       |      |                |               |
| 114<br>115<br>124<br>134<br>135<br>136<br>137<br>138<br>138<br>139<br>139  | 17 10 21   |      |      |                   |             |            |             |            |       |      |                |               |
| 1.14<br>1.15<br>1.19<br>1.24<br>1.29<br>1.29<br>1.29<br>1.29<br>1.29<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20<br>1.20   | 12 TO 16   |      |      |                   |             |            |             |            |       |      |                |               |
| 19. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.   | 7 TO 11    |      |      |                   |             |            |             |            |       |      |                |               |
|  | 2 70 6     |      |      |                   |             |            |             |            |       |      |                |               |
|  | -3 TO 1    |      |      |                   |             |            |             |            |       |      |                |               |
|  | -8 T0-4    |      |      |                   |             |            |             |            |       |      |                |               |
|  | -13 TO -9  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -18 TO-14  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -23 TO-19  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -28 TO-24  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -33 TO-29  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -38 TO-34  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -43 TO-39  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -48 TO-44  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -53 TO-49  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -58 TO-54  |      |      |                   |             |            |             |            |       |      |                |               |
|  | -59 & LWR  |      |      |                   |             |            |             |            |       |      |                |               |

NAVWEASERVCOM

| EMPERATURE                              |     |
|---|-----|
| DENCY OF AIR T                          | .57 |
| PERCENTAGE FREQUENCY OF AIR TEMPERATURE |     |
|   |     |

AGANA, GUAM

ALL NOVEMBER JANUARY 1973-DECEMBER 1977

| TEMP.      | NNW<br>N % | S NE | ENE<br>8 E | ESE<br>& SE | SSE<br>& S | SSW<br>SSW | wsw<br>8 w | www<br>www | CALM  | TOTAL<br>FREQ. | % OF<br>TOTAL |
|------------|------------|------|------------|-------------|------------|------------|------------|------------|-------|----------------|---------------|
| 122+       |            |      |            |             |            |            |            |            |       |                |               |
| 117 TO 121 |            |      |            |             |            |            |            |            |       |                |               |
| 112 TO 116 |            |      |            |             |            |            |            |            |       |                |               |
| 111 07 701 |            |      |            |             |            |            |            |            |       |                |               |
| 102 TO 106 |            |      |            |             |            |            |            |            |       |                |               |
| 97 TO 101  |            |      |            |             |            |            |            |            |       |                |               |
| 92 TO 96   |            |      |            |             |            |            |            |            |       |                |               |
| 87 TO 91   |            | 14.3 | 57.1       | 21.4        | 7.1        |            |            |            |       | 14             | 1.2           |
| 82 TO 86   | 1.0        | 6.5  | 65.8       | 22.3        | 8.         |            | .2         | 4.         | .2    | 489            | 40.8          |
| 18 07 77   | 2.5        | 14.2 | 61.2       | 14.3        | 2.8        |            | 1.0        | .3         | 3.0   | 677            | 36.4          |
| 72 TO 76   | 10.5       |      | 36.8       | 15.8        | 10.5       | 10.5       | 5.3        | 5.3        | 5.3   | 19             | 1.6           |
| 17 07 79   |            |      |            |             |            |            |            |            | 100.0 | 1              | .1            |
| 62 TO 66   |            |      |            |             |            |            |            |            |       |                |               |
| 19 01 75   |            |      |            |             |            |            |            |            |       |                |               |
| 52 TO 56   |            |      |            |             |            |            |            |            |       |                |               |
| 47 TO 51   |            |      |            |             |            |            |            |            |       |                |               |
| 42 TO 46   |            |      |            |             |            |            |            |            |       |                |               |
| 37 TO 41   |            |      |            |             |            |            |            |            |       |                |               |
| 32 TO 36   |            |      |            |             |            |            |            |            |       |                |               |
| 27 TO 31   |            |      |            |             |            |            |            |            |       |                |               |
| 22 TO 26   |            |      |            |             |            |            |            |            |       |                |               |
| 17 TO 21   |            |      |            |             |            |            |            |            |       |                |               |
| 12 TO 16   |            |      |            |             |            |            |            |            |       |                |               |
| 7 10 11    |            |      |            |             |            |            |            |            |       |                |               |
| 2 TO 6     |            |      |            |             |            |            |            |            |       |                |               |
| -3 TO 1    |            |      |            |             |            |            |            |            |       |                |               |
| -8 TO-4    |            |      |            |             |            |            |            |            |       |                |               |
| -13 TO -9  |            |      |            |             |            |            |            |            |       |                |               |
| -18 TO-14  |            |      |            |             |            |            |            |            |       |                |               |
| -23 TO-19  |            |      |            |             |            |            |            |            |       |                |               |
| -28 TO-24  |            |      |            |             |            |            |            |            |       |                |               |
| -33 TO-29  |            |      |            |             |            |            |            |            |       |                |               |
| -38 TO-34  |            |      |            |             |            |            |            |            |       |                |               |
| -43 TO-39  |            |      |            |             |            |            |            |            |       |                |               |
| -48 TO-44  |            |      |            |             |            |            |            |            |       |                |               |
| -53 TO-49  |            |      |            |             |            |            |            |            |       |                |               |
| -58 TO-54  |            |      |            |             |            |            |            |            |       |                |               |
| -59 & LWR  |            | 8-4  |            |             |            |            |            |            |       |                |               |
| TOTALS     | 2.0        | 0    | 62.6       | 17.9        | 6          | 4          | 9          | 7          | -     |                | SAN AKE       |

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-59 & LWR

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-53 TO-49 -58 TO -54

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41406 STATION

AGANA, GUAM

WIND DIRECTION

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

WIND DIRECTION

JANUARY 1973-DECEMBER 1977

ALL

DECEMBER

% OF TOTAL

TOTAL FREG.

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22 TO 26

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-18 TO-14

-13 TO -9 -8 10-4

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NAVWEASERVCOM

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-59 & LWR TOTALS

-58 TO-54

-53 TO-49

-43 TO-39

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-28 TO-24

-33 10-29 -38 TO-34

-13 TO -9 -18 TO-14 -23 TO-19

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE

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STATION NAME

AGANA, GUAM

41406 STATION

WIND DIRECTION

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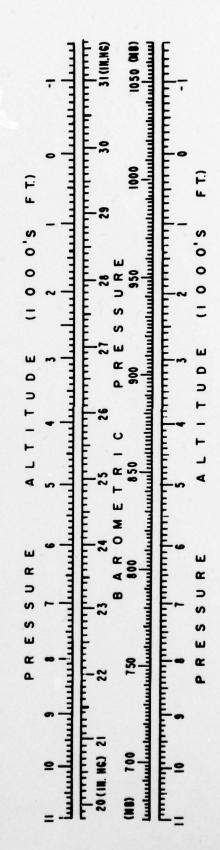
#### PART F

### PRESSURE SUMMARY

for all hours combined. All years of data available are combined in both of these tables, although the overall Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure Meteorological Tables.



STATION PRESSURE IN INCHES HG FROM HOURLY DRSERVATIONS

| 200          | -         |               | -      | -          | -    | THE PERSON NAMED IN COLUMN 2 I | State of the last | -    |       |       |       |         | 1      |        |
|--------------|-----------|---------------|--------|------------|------|--|---|------|-------|-------|-------|---------|--------|--------|
| STATION      |           |               | STAT   | ATION NAME |      |  |   |      |       | YEARS |       |         |        |        |
| HRS.(L.S.T.) |           | JAN.          | FEB.   | MAR.       | APR. | MAY  | JUN.  | JUL. | AUG.  | SEP.  | OCT.  | NOV.    | DEC.   | ANNUAL |
|              | MEAN      | 29.55029.5742 | 9.574  | 9.56       | 9.55 | 9.53   | 9.54  | 9.51 | 9.502 | 502   | 4     | 86      | 3      | 3      |
| 10           | S. D.     | .062          | E90.   | .059       | .050 | 660.   | .036  | 040  | .072  | .076  | € 60. |         | .037   |        |
| ;            | TOTAL OBS | 155           | 191    | 15         | 15   | 2  | 2   | 15   | 2     | *     | 2     | *       | ~      | 0      |
|              | MEAN      | 29.5182       | 9.541  | .53        | 9.52 | 9.51   | 9.51  | 9.48 | 9.474 | 473   | 7.5   | 29.4692 | 9.50   | 0      |
| *0           | S. D.     | 065           | 490    | 050        | .051 | 160.   | 038   | .052 | .074  | .076  | .054  | 4       | 040.   |        |
|              | TOTAL OBS | 155 161       | 191    | 15         | 2    | 15   | 15  | 15   | 15    | *     | 2     | -       | ~      | 2      |
|              | MEAN      | 29.5502       | 9.573  | .56        | 9.56 | 9.54   | 9.54  | 9.51 | 9.495 | 664   | 0     | 302     | 3      | 53     |
| 10           | S D.      | ₩90.          | 490    | .057       | .051 | 680.   | .038  | .053 | .074  | .076  | .054  | .073    | .037   | .068   |
|              | TOTAL OBS | 155           | 141    | 15         | 2    | -  | 15  | 15   | 15    | *     | 5     | -       | ~      | 2      |
|              | MEAN      | 29.58629.6092 | 609.6  | 9.89       | 9.58 | 9.55   | 9.55  | 9.52 | 9.520 | 56    | 4     | 10      | 0      | -      |
| 10           | S. D.     | .062          | .063   | .056       | .052 | £60.   | .036  | .050 | .072  |       | 250.  | 690.    | .039   |        |
|              | TOTAL OBS | 155           | 101    | 15         | -    | -  | 5   | 2    | 15    | *     | -     | -       | N      | 2      |
|              | MEAN      | 29.52929.5532 | 9.553  | 9.5        | 9.53 | 9.51   | 9.52  | 9.50 | 9.486 | 479   | 78    | 7       | -      | 31     |
| 13           | S. D.     | .062          | .060   | .056       | .051 | .124   | 035   | 050  | .072  | .077  | .05   | .070    | 0000   | .072   |
|              | TOTAL OBS | 155           | 141    | •          | 15   | 2  | 2   | 15   | 13    | 4     | 2     | -       | 12     | 2      |
|              | MEAN      | 29.49929.5142 | 9.514  | 9.50       | 9.50 | 9.47   | 9.49  | 9.47 | 9.458 | 5     | 5     | 5       | 90     |        |
| 10           | S. D.     | 190.          | .061   | 090.       | .052 | .181   | .037  | .052 | .073  |       | 640.  | .073    | .038   | .0     |
|              | TOTAL OBS | 155           | 141    | 15         | 5    |  | 2   | 5    | 5     | 4     | 5     | -       | ~      | 2      |
|              | MEAN      | 29.53329.5482 | 9.548  | 9.5        | 9.53 | 9.51   | 9.52  | 9.49 | 9.491 | 8     | 6     | 69      | N      | -      |
| 19           | S. D.     | 090           | .059   | .056       | 640. | .164   | .036  | 640. | .070  | .080  | .048  | .077    | 040.   | .07    |
|              | TOTAL OBS | 155           | 141    | 15         | 2    | 15   | 5   | 2    | 2     | 4     | ~     | 5       | N      | 2      |
|              | MEAN      | 29.56929.5862 | 9.586  | 9.58       | 9.57 | 9.55   | 9.55  | 9.53 | 9.527 | 52    | 27    | 0       | 29.553 | 52     |
| 22           | S. D.     | .060          | 190.   | .056       | 640. | .123   | 960   | 840. | .074  |       |       | 0       | m      | -      |
|              | TOTAL OBS | 159           | 141    | 15         | 15   | 155  | 2   | 155  | 2     | 149   |       | -       | 2      | -      |
| -            | MEAN      | 29.5412       | 29.562 | 1.554      | 4    | 9.52   | 9.532   | 0    | 9.494 | 0     | 0     | 491     | N      | -      |
| HOURS        | S. D.     | 890. 190.     | .068   | .064       | .056 | .127   | .042  | .054 | .074  | .080  | .058  | .080    | 990.   | 0.0    |
|              | TOTAL OBS | 1240          | 1128   | 124        | 0    | 23   | 1200  |      | 54    | 2     | *     | 20      | o      | 35     |

SEA LEVEL PRESSURE IN MBS FROM HOURLY DBSERVATIONS

| 00011        | 1         |                |           |              |       |       | 2     |         |       |       |       |       | 1     |        |
|--------------|-----------|----------------|-----------|--------------|-------|-------|-------|---------|-------|-------|-------|-------|-------|--------|
| STATION      |           |                | 15        | STATION NAME |       |       |       |         |       | YEARS |       |       |       |        |
| HRS.(L.S.T.) |           | JAN.           | FEB.      | MAR.         | APR.  | MAY   | JUN.  | JUL.    | AUG.  | SEP.  |       | NOV.  | DEC.  | ANNUAL |
|              | MEAN      | 1011-1101      | 1011.9    | 1011.5       | 11.   | 010.6 | 10.8  | .60     | 4.60  | 4.60  | 9.60  | 3     | 10.   | 10     |
| 10           | S. D.     | 2.112          | 2.119     | 1.98         | 1.752 | 3.380 | 1.234 | 1.668   |       | 2.583 | 2     |       | 1.246 | 2.33   |
|              | TOTAL OBS | 155            | 141       | 15           | 2     | 15    | -     | 5       | 15    | *     | 5     | 5     | 75    | 1      |
|              | MEAN      | 1010           | 1010.8    | 4.0          | 10.4  | 8.60  | 10.0  | 60      | 5-800 | 08.5  | 08.5  | 08.3  | 1009. | 60     |
| *            |           | 2.186          | 2.155     | 0            | 1.732 | 3.116 | 1.270 | 1       | 2.489 | 2.565 | 1.836 | 2.490 | 1.3   | 2.31   |
| ,            | TOTAL OBS | 158 141        | 141       | 159          |       | 2     |       | 15      |       | -     | 15    | 13    | 12    | -      |
|              | MEAN      | 1011.1         | 1011.9    |              | 11.4  | 10.8  | 8.01  | 9.8     | 09.2  | 4.60  | 00.60 | 60    | 1010. | 10     |
| 2            | S. D.     | 2.104          | 2.169     | 983          | 760   | 3.031 | 1.278 | 1.795   | 2.513 | 2.577 | 1.840 | 2.43  | 1.24  | 2.3    |
| 5            | BS        | 159 141        | 141       | 155          |       |       | 150   | 155     |       | 149   | 15    | 150   | •     | -      |
|              | MEAN      | 1012.81013.110 | 1013.1    | 12.7         | 12.   | 611.3 |       | 10.4    | 0.0   | 10.3  | 10.   | 10.4  | 1011. | =      |
|              | S. D.     | 2.1.2          | 2 1 6 2   | 0            | 780   | 3.167 | 2.9   | 1.756   | 2.637 | 2.354 | 1.75  | 2.344 | 1.30  | 2.3    |
| 2            | TOTAL OBS | 155            | ;         | •            |       |       |       |         |       |       |       |       | •     | 179    |
|              |           |                |           |              |       | 0     |       | 4 0 . 0 |       | 1 000 | 900   | 000   | 000   | 0      |
|              |           | 1010           | 10110     | 0            | 01    |       |       |         |       | 0 !   |       | •     | 1001  |        |
| 2            | TOTAL OBS | 2.113 2.070 1. | 2.070     | 1001         | 150   |       |       | 1 2 2   |       |       |       | 4     |       |        |
|              |           |                |           | 1            |       |       | v     |         |       | -     | 1     | -     | -     | -      |
|              | MEAN      | 1009-31009-910 | 1009.9    | 9.60         | 4.60  | 08.6  | 1.60  |         | 07.9  | 7.70  | 07.   | 07.   | 1008. | 80     |
| 16           | S. D.     | 2.087          | 2.062     | 2.012        | 1.771 | 6.174 | 1.219 | 1.764   | 2.458 | 2.664 | -     | 2.522 | 1.285 | 2.75   |
|              | TOTAL OBS | 155            | -         | 15           | 15    | 2     | 13    | 5       | 15    | *     | 15    | 5     | 12    | -      |
|              | MEAN      | 1010           | 1011.0    | 10.7         | 10.5  | 8.60  | 10.0  | 6.60    | 0.60  | 0.60  | 09.1  | 1009. | 1010. | 60     |
| 61           | S. D.     | 2.092 2.033 1  | 2.033     | 898          | 1.631 | 5.607 | 1.202 | 1.695   | 2.399 | 2.721 | 1.633 | 2     |       | 2.6    |
|              | TOTAL OBS | 159            | 141       | 15           | 15    | 2     | 15    | 15      | 15    | 1.    | 15    | 15    | 15    | -      |
|              | MEAN      | 1011.6         | 1012.3101 | 2.1          | 11.9  | 11.3  | 11.4  | 10.5    | 10.9  | 10.   | 10    | 1000  | 1011. | =      |
| 33           | S. D.     | 2.073          | 2.079     | 917          | 1.630 | 4.219 | 1.220 | 1.644   | 2.418 | 2.653 | 1.73  | 3.37  | 1.28  |        |
| :            | TOTALOBS  | 159 14         | 141       | 155          |       |       | 150   |         |       |       |       |       |       |        |
| 1            | MEAN      | 1010-81011-510 | 1011.5    | 11.2         | 11.0  | 10.3  | 10.   | 9.60    | 2.60  | 09.2  | .60   | 1000  | 1010  | 2      |
| HOURS        | S. D.     | 2.292          | 2.302     | .152         | 1.920 | 4.341 | 1.418 | 1.851   | 2.554 | 2.723 | 1.955 | 2.7   | 1.56  | 2.58   |
|              | TOTAL OBS | 1240           | 1128      | 13           | -     | 134   |       | 74.     | **    |       | 4     |       | 1     | •      |

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